Pioneer *sound.vision.soul*

Operation Manual
Mode d'emploi

Multi-CD control High power CD/MP3/WMA player
with FM/AM tuner

Syntoniseur FM/AM et lecteur de CD/MP3/WMA,
"Puissance élevée", avec contrôleur pour lecteur de
CD à chargeur

DEH-P6700MP

SUPER TUNER III D

Contents

Thank you for buying this Pioneer product.

Please read through these operating instructions so you will know how to operate your model properly. *After you have finished reading the instructions, keep this manual in a safe place for future reference.*

Contents

Contents

Dear Customer:

Selecting fine audio equipment such as the unit you've just purchased is only the start of your musical enjoyment. Now it's time to consider how you can maximize the fun and excitement your equipment offers. This manufacturer and the Electronic Industries Association's Consumer Electronics Group want you to get the most out of your equipment by playing it at a safe level. One that lets the sound come through loud and clear without annoying blaring or distortion—and, most importantly, without affecting your sensitive hearing.

Sound can be deceiving. Over time your hearing "comfort level" adapts to higher volumes of sound. So what sounds "normal" can actually be loud and harmful to your hearing. Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

To establish a safe level:
• Start your volume control at a low setting.
• Slowly increase the sound until you can hear it comfortably and clearly, and without distortion.

Once you have established a comfortable sound level:
• Set the dial and leave it there.

Taking a minute to do this now will help to prevent hearing damage or loss in the future. After all, we want you listening for a lifetime.

We Want You Listening For A Lifetime

Used wisely, your new sound equipment will provide a lifetime of fun and enjoyment. Since hearing damage from loud noise is often undetectable until it is too late, this manufacturer and the Electronic Industries Association's Consumer Electronics Group recommend you avoid prolonged exposure to excessive noise. This list of sound levels is included for your protection.

Decibel

Level	Example
30	Quiet library, soft whispers
40	Living room, refrigerator, bedroom away from traffic
50	Light traffic, normal conversation, quiet office
60	Air conditioner at 20 feet, sewing machine
70	Vacuum cleaner, hair dryer, noisy restaurant
80	Average city traffic, garbage disposals, alarm clock at two feet

THE FOLLOWING NOISES CAN BE DANGEROUS UNDER CONSTANT EXPOSURE

90	Subway, motorcycle, truck traffic, lawn mower
100	Garbage truck, chain saw, pneumatic drill
120	Rock band concert in front of speakers, thunderclap
140	Gunshot blast, jet plane
180	Rocket launching pad

Information courtesy of the Deafness Research Foundation.

Before You Start

Information to User

Alteration or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment.

◨

For Canadian model

This Class B digital apparatus complies with Canadian ICES-003.

◨

About this unit

The tuner frequencies on this unit are allocated for use in North America. Use in other areas may result in poor reception.

⚠ WARNING:

Handling the cord on this product or cords associated with accessories sold with the product will expose you to lead, a chemical known to the State of California and other governmental entities to cause cancer and birth defects or other reproductive harm. ***Wash hands after handling***.

CAUTION:
USE OF CONTROL OR ADJUSTMENT OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

CAUTION:
THE USE OF OPTICAL INSTRUMENTS WITH THIS PRODUCT WILL INCREASE EYE HAZARD.

⚠ CAUTION

- Do not allow this unit to come into contact with liquids. Electrical shock could result. Also, this unit damage, smoke, and overheat could result from contact with liquids.
- Keep this manual handy as a reference for operating procedures and precautions.
- Always keep the volume low enough so that you can hear sounds from outside the vehicle.
- Protect this unit from moisture.
- If the battery is disconnected or discharged, the preset memory will be erased and must be reprogrammed.

🔧 Important (Serial number)

The serial number is located on the bottom of this unit. For your own security and convenience, be sure to record this number on the enclosed warranty card. ◨

About this manual

This unit features a number of sophisticated functions ensuring superior reception and operation. All the functions have been designed for the easiest possible use, but many are not self-explanatory. This operation manual will help you benefit fully from this unit's potential and to maximize your listening enjoyment. We recommend that you familiarize yourself with the functions and their operation by reading through the manual before you begin using this unit. It is especially important that you read and observe **WARNING**s and **CAUTION**s in this manual. ◨

Before You Start

After-sales service for Pioneer products

Please contact the dealer or distributor from where you purchased this unit for after-sales service (including warranty conditions) or any other information. In case the necessary information is not available, please contact the companies listed below:
Please do not ship your unit to the companies at the addresses listed below for repair without advance contact.

U.S.A.
Pioneer Electronics (USA) Inc.
CUSTOMER SUPPORT DIVISION
P.O. Box 1760
Long Beach, CA 90801-1760
800-421-1404

CANADA
Pioneer Electronics of Canada, Inc.
CUSTOMER SATISFACTION DEPARTMENT
300 Allstate Parkway
Markham, Ontario L3R OP2
1-877-283-5901

For warranty information please see the Limited Warranty sheet included with this unit. ◙

Product registration

Visit us at the following site:

http://www.pioneerelectronics.com

1 Register your product. We will keep the details of your purchase on file to help you refer to this information in the event of an insurance claim such as loss or theft.
2 Receive updates on the latest products and technologies.
3 Download owner's manuals, order product catalogues, research new products, and much more. ◙

Features

CD playback
Music CD/CD-R/CD-RW playback is possible.

MP3 file playback
You can play back MP3 files recorded on CD-ROM/CD-R/CD-RW (ISO9660 Level 1/Level 2 standard recordings).
• Supply of this product only conveys a license for private, non-commercial use and does not convey a license nor imply any right to use this product in any commercial (i.e. revenue-generating) real time broadcasting (terrestrial, satellite, cable and/or any other media), broadcasting/streaming via internet, intranets and/or other networks or in other electronic content distribution systems, such as pay-audio or audio-on-demand applications. An independent license for such use is required. For details, please visit http://www.mp3licensing.com.

WMA file playback
You can play back WMA files recorded on CD-ROM/CD-R/CD-RW (ISO9660 Level 1/Level 2 standard recordings).

WAV file playback
You can play back WAV files recorded on CD-ROM/CD-R/CD-RW (Linear PCM (LPCM)/MS ADPCM recordings). ◙

About WMA

Designed for
Windows
Media™

The Windows Media™ logo printed on the box indicates that this unit can play back WMA data.
WMA is short for Windows Media Audio and refers to an audio compression technology that is developed by Microsoft Corporation. WMA data can be encoded by using Windows Media Player version 7 or later.
Microsoft, Windows Media, and the Windows logo are trademarks, or registered trademarks of Microsoft Corporation in the United States and/or other countries.

Notes

• With some applications used to encode WMA files, this unit may not operate correctly.
• Depending on the version of Windows Media Player used to encode WMA files, album names and other text information may not be correctly displayed. ▣

About the SAT RADIO READY mark

SAT
RADIO
R E A D Y

The SAT RADIO READY mark printed on the front panel indicates that the Satellite Radio Tuner for Pioneer (aka, XM tuner and Sirius satellite tuner which are sold separately) can be controlled by this unit. Please inquire to your dealer or nearest authorized Pioneer service station regarding the satellite radio tuner that can be connected to this unit. For satellite radio tuner operation, please refer to the satellite radio tuner owner's manual.

Notes

• The system will use direct satellite-to-receiver broadcasting technology to provide listeners in their cars and at home with crystal-clear sound seamlessly from coast to coast. Satellite radio will create and package over 100 channels of digital-quality music, news, sports, talk and children's programming.
• "SAT Radio", the SAT Radio logo and all related marks are trademarks of Sirius Satellite Radio inc., and XM Satellite Radio Inc. ▣

Protecting your unit from theft

The front panel can be detached from the head unit to discourage theft.
• If the front panel is not detached from the head unit within five seconds of turning off the ignition, a warning tone will sound.
• You can turn off the warning tone. See *Switching the warning tone* on page 41.

Important

• Never use force or grip the display and the buttons too tightly when removing or attaching.
• Avoid subjecting the front panel to excessive shocks.
• Keep the front panel out of direct sunlight and high temperatures.

Removing the front panel

1   Press OPEN to open the front panel.

2   Grip the left side of the front panel and pull it gently outward.
Take care not to grip it too tightly or to drop the front panel and protect it from contact with water or other fluids to prevent permanent damage.
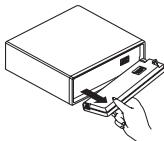
Attaching the front panel

● **Replace the front panel by holding it upright to the unit and clipping it securely into the mounting hooks.**

◼

About the demo mode

This unit features two demonstration modes. One is the reverse mode, the other is the feature demo mode.
• You cannot cancel a demo mode when the front panel is open.
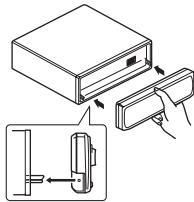
🔧 **Important**

The red lead (ACC) of this unit should be connected to a terminal coupled with ignition switch on/off operations. If this is not done, the vehicle battery may be drained.

Reverse mode

If you do not perform an operation within about 30 seconds, screen indications start to reverse, and then continue reversing every 10 seconds. Pressing button **5** when power to this unit is turned off while the ignition switch is set to ACC or ON cancels the reverse mode. Press button **5** again to start the reverse mode.

Feature demo

The feature demo automatically starts when power to this unit is turned off while the ignition switch is set to ACC or ON. Pressing button **6** during feature demo operation cancels the feature demo mode. Press button **6** again to start the feature mode. Remember that if the feature demo continues operating when the car engine is turned off, it may drain battery power. ◼

Before You Start

Use and care of the remote control

Installing the battery

Slide the tray out on the back of the remote control and insert the battery with the plus (+) and minus (–) poles pointing in the proper direction.
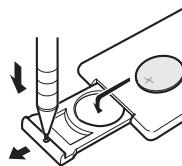
⚠ WARNING

Keep the battery out of the reach of children. Should the battery be swallowed, immediately consult a doctor.

⚠ CAUTION

- Use only one **CR2025 (3 V)** lithium battery.
- Remove the battery if the remote control is not used for a month or longer.
- Do not recharge, disassemble, heat or dispose of the battery in fire.
- Do not handle the battery with metallic tools.
- Do not store the battery with metallic materials.
- In the event of battery leakage, wipe the remote control completely clean and install a new battery.
- When disposing of used batteries, please comply with governmental regulations or environmental public institutions' rules that apply in your country/area.

Using the remote control

Point the remote control in the direction of the front panel to operate.

- The remote control may not function properly in direct sunlight.

🔧 Important

- Do not store the remote control in high temperatures or direct sunlight.
- Do not let the remote control fall onto the floor, where it may become jammed under the brake or accelerator pedal. ▣

About the operation mode

This unit features two operation modes, operation mode 1 and 2. Operation mode 1 enables you to operate all the functions of this unit. Operation mode 2 enables you to operate the basic functions for each source easily. This manual explains operation mode 1. Please refer to *Using the operation mode 2* on page 44 for operation mode 2. ▣

What's What
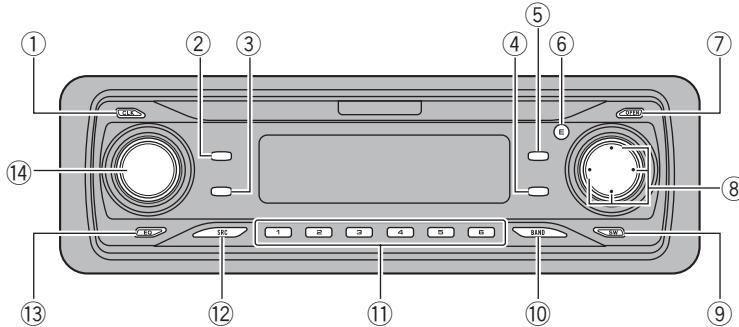
Head unit

① **CLOCK button**
Press to change to the clock display.

② **PAUSE button**
Press to turn pause on or off.

③ **DISPLAY button**
Press to select different displays.

④ **FUNCTION button**
Press to select functions.

⑤ **AUDIO button**
Press to select various sound quality controls.

⑥ **ENTERTAINMENT button**
Press to change to the entertainment display.

⑦ **OPEN button**
Press to open the front panel.

⑧ **▲/▼/◄/► buttons**
Press to do manual seek tuning, fast forward, reverse and track search controls. Also used for controlling functions.

⑨ **SW button**
Press to directly select subwoofer setting menu. See *Using subwoofer output* on page 38. Press and hold to select EQ-EX setting menu. See *Compensating for equalizer curves (EQ-EX)* on page 35.

⑩ **BAND button**
Press to select among three FM bands and one AM band and to cancel the control mode of functions.

⑪ **1–6 buttons**
Press for preset tuning and disc number search when using a multi-CD player.

⑫ **SOURCE button**
This unit is turned on by selecting a source. Press to cycle through all the available sources.

⑬ **EQ button**
Press to select various equalizer curves.

⑭ **VOLUME**
When you press **VOLUME**, it extends outward so that it becomes easier to turn. To retract **VOLUME**, press it again. Rotate it to increase or decrease the volume. ▣
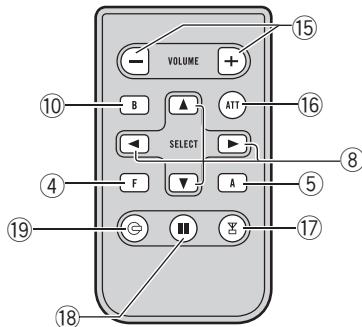
Remote control

Operation is the same as when using the buttons on the head unit. See the explanation of the head unit about the operation of each button with the exception of **ATT**, which is explained below.

⑮ **VOLUME buttons**
Press to increase or decrease the volume.

⑯ **ATT button**
Press to quickly lower the volume level, by about 90%. Press once more to return to the original volume level.

⑰ **TUNER button**
Press to select the tuner as the source.

⑱ **PAUSE button**
Press to turn pause on or off.

⑲ **CD button**
Press to select the built-in or multi-CD player as the source. ▇

Basic Operations

Turning the unit on

● **Press SOURCE to turn the unit on.**
When you select a source the unit is turned on.◼

Selecting a source

You can select a source you want to listen to. To switch to the built-in CD player, load a disc in the unit (refer to page 18).

● **When using the head unit, press SOURCE to select a source.**
Press **SOURCE** repeatedly to switch between the following sources:
XM tuner—**Tuner**—**Television**—**DVD player/Multi-DVD player**—**Built-in CD player**—**Multi-CD player**—**External unit 1**—**External unit 2**—**AUX**

● **When using the remote control, press TUNER or CD to select a source.**
Press each button repeatedly to switch between the following sources:
TUNER: **XM tuner**—**Tuner**—**Television**—**Sources off**
CD: **DVD player/Multi-DVD player**—**Built-in CD player**—**Multi-CD player**—**Sources off**

🖉 Notes

• In the following cases, the sound source will not change:
— When there is no unit corresponding to the selected source connected to this unit.
— When there is no disc in the unit.
— When there is no disc in the DVD player.
— When there is no magazine in the multi-CD player.
— When there is no magazine in the multi-DVD player.

— When the AUX (auxiliary input) is set to off (refer to page 41).
• External unit refers to a Pioneer product (such as one available in the future) that, although incompatible as a source, enables control of basic functions by this unit. Two external units can be controlled by this unit. When two external units are connected, the allocation of them to external unit 1 or external unit 2 is automatically set by this unit.
• When this unit's blue/white lead is connected to the vehicle's auto-antenna relay control terminal, the vehicle's antenna extends when this unit's source is turned on. To retract the antenna, turn the source off.◼

Loading a disc

1 Press OPEN to open the front panel.
CD loading slot appears.
▪ After a CD has been inserted, press **SOURCE** to select the built-in CD player.

2 Insert a CD into the CD loading slot.
Playback will automatically start.

CD loading slot

EJECT button
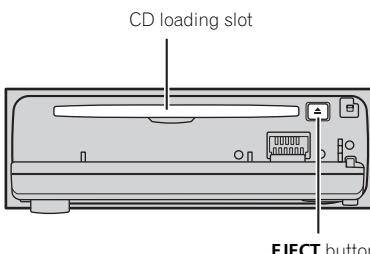
▪ You can eject a CD by pressing **EJECT**.
▪ To avoid a malfunction, make sure that no metal object comes into contact with the terminals when the front panel is open.

Notes

- The built-in CD player plays one, standard, 12-cm or 8-cm (single) CD at a time. Do not use an adapter when playing 8-cm CDs.
- Do not insert anything other than a CD into the CD loading slot.
- There is sometimes a delay between starting up CD playback and the sound being issued. When being read in, **Format Read** is displayed.
- If you cannot insert a disc completely or if after you insert a disc the disc does not play, check that the label side of the disc is up. Press **EJECT** to eject the disc, and check the disc for damage before inserting it again.
- If an error message such as **ERROR-11** is displayed, refer to *Understanding built-in CD player error messages* on page 49.
- You can eject the CD by pressing and holding **EJECT** with opening the front panel when the CD loading or ejecting cannot operate properly.◉

Adjusting the volume

● **Use VOLUME to adjust the sound level.**
With the head unit, rotate **VOLUME** to increase or decrease the volume.
With the remote control, press **VOLUME** to increase or decrease the volume.◉

Turning the unit off

● **Press SOURCE and hold until the unit turns off.**◉

Listening to the radio
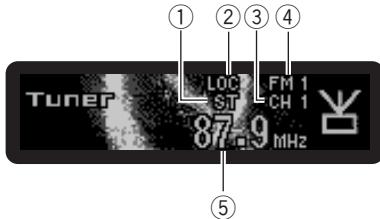
These are the basic steps necessary to operate the radio. More advanced tuner operation is explained starting on the next page.

① **Stereo (ST) indicator**
Shows that the frequency selected is being broadcast in stereo.

② **LOC indicator**
Shows when local seek tuning is on.

③ **Preset number indicator**
Shows which preset has been selected.

④ **Band indicator**
Shows which band the radio is tuned to, AM or FM.

⑤ **Frequency indicator**
Shows to which frequency the tuner is tuned.

1 Press SOURCE to select the tuner.
Press **SOURCE** until you see **Tuner** displayed.

2 Press BAND to select a band.
Press **BAND** until the desired band is displayed, **FM1**, **FM2**, **FM3** for FM or **AM**.

3 To perform manual tuning, briefly press ◀ or ▶.
The frequencies move up or down step by step.

4 To perform seek tuning, press and hold ◀ or ▶ for about one second and release.
The tuner will scan the frequencies until a broadcast strong enough for good reception is found.
■ You can cancel seek tuning by briefly pressing either ◀ or ▶.
■ If you press and hold ◀ or ▶ you can skip stations. Seek tuning starts as soon as you release the button. ◼

English

Introduction of advanced tuner operation
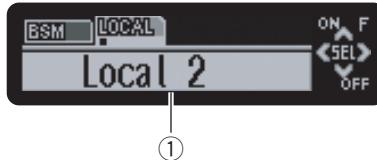
① **Function display**
Shows the function status.

● **Press FUNCTION to display the function names.**
Press **FUNCTION** repeatedly to switch between the following functions:
BSM (best stations memory)—**Local** (local seek tuning)
■ To return to the frequency display, press **BAND**.

📝 Note

If you do not operate the function within about 30 seconds, the display is automatically returned to the frequency display. ▣

Storing and recalling broadcast frequencies

If you press any of the preset tuning buttons **1–6** you can easily store up to six broadcast frequencies for later recall with the touch of a button.

● **When you find a frequency that you want to store in memory press one of preset tuning buttons 1–6 and hold until the preset number stops flashing.**
The number you have pressed will flash in the preset number indicator and then remain lit.

The selected radio station frequency has been stored in memory.
The next time you press the same preset tuning button the radio station frequency is recalled from memory.

📝 Notes

• Up to 18 FM stations, six for each of the three FM bands, and six AM stations can be stored in memory.
• You can also use ▲ and ▼ to recall radio station frequencies assigned to preset tuning buttons **1–6**. ▣

Tuning in strong signals

Local seek tuning lets you tune in only those radio stations with sufficiently strong signals for good reception.

1 Press FUNCTION to select Local.
Press **FUNCTION** until **Local** appears in the display.

2 Press ▲ to turn local seek tuning on.
Local seek sensitivity (e.g., **Local 2**) appears in the display.

3 Press ◄ or ► to set the sensitivity.
There are four levels of sensitivity for FM and two levels for AM:
FM: **Local 1**—**Local 2**—**Local 3**—**Local 4**
AM: **Local 1**—**Local 2**
The **Local 4** setting allows reception of only the strongest stations, while lower settings let you receive progressively weaker stations.

4 When you want to return to normal seek tuning, press ▼ to turn local seek tuning off.
Local :OFF appears in the display. ▣

Tuner

Storing the strongest broadcast frequencies

BSM (best stations memory) lets you automatically store the six strongest broadcast frequencies under preset tuning buttons **1–6** and once stored there you can tune in to those frequencies with the touch of a button.

1   Press FUNCTION to select BSM.
Press **FUNCTION** until **BSM** appears in the display.

2   Press ▲ to turn BSM on.
BSM begins to flash. While **BSM** is flashing the six strongest broadcast frequencies will be stored under preset tuning buttons **1–6** in the order of their signal strength. When finished, **BSM** stops flashing.
■ To cancel the storage process, press ▼.

Note

Storing broadcast frequencies with BSM may replace broadcast frequencies you have saved using buttons **1–6**. ▣

Playing a CD

① ②
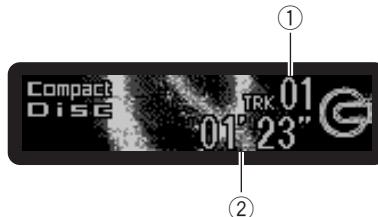
These are the basic steps necessary to play a CD with your built-in CD player. More advanced CD operation is explained starting on this page.

① **Track number indicator**
Shows the track currently playing.

② **Play time indicator**
Shows the elapsed playing time of the current track.

1   Press SOURCE to select the built-in CD player.
Press **SOURCE** until you see **Compact Disc** displayed.

▪ If no disc is loaded in the unit, you cannot select **Compact Disc** (built-in CD player). Insert a disc in the unit. (Refer to page 13.)

2   To perform fast forward or reverse, press and hold ◄ or ►.
▪ If you select **ROUGH SEARCH**, pressing and holding ◄ or ► enables you to search every 10 tracks in the current disc. (Refer to *Selecting the search method* on page 20.)

3   To skip back or forward to another track, press ◄ or ►.
Pressing ► skips to the start of the next track. Pressing ◄ once skips to the start of the current track. Pressing again will skip to the previous track. ▪

Introduction of advanced built-in CD player operation
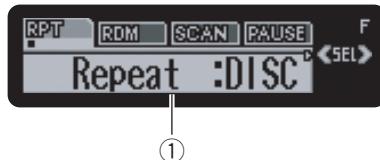
①

① **Function display**
Shows the function status.

● **Press FUNCTION to display the function names.**
Press **FUNCTION** repeatedly to switch between the following functions:
Repeat (repeat play)—**Random** (random play)
—**Scan** (scan play)—**Pause** (pause)
—**Comp./BMX** (compression and BMX)
—**FF/REV** (search method)
▪ To return to the playback display, press **BAND**.

📝 Note

If you do not operate the function within about 30 seconds, the display is automatically returned to the playback display. ▪

Repeating play

Repeat play lets you hear the same track over again.

1   Press FUNCTION to select Repeat.
Press **FUNCTION** until **Repeat** appears in the display.

2   Press ◄ or ► to select the repeat range.
Press ◄ or ► until the desired repeat range appears in the display.
  • **DISC** – Repeat the current disc

• **TRACK** – Repeat just the current track

📝 Note

If you perform track search or fast forward/re-verse during **TRACK**, the repeat play range changes to **DISC**. ▣

Playing tracks in a random order

Random play lets you play back tracks on the CD in a random order.

1 Press FUNCTION to select Random.
Press **FUNCTION** until **Random** appears in the display.

2 Press ▲ to turn random play on.
Random :ON appears in the display. Tracks will play in a random order.

3 Press ▼ to turn random play off.
Random :OFF appears in the display. Tracks will continue to play in order. ▣

Scanning tracks of a CD

Scan play lets you hear the first 10 seconds of each track on the CD.

1 Press FUNCTION to select Scan.
Press **FUNCTION** until **Scan** appears in the display.

2 Press ▲ to turn scan play on.
Scan :ON appears in the display. The first 10 seconds of each track is played.

3 When you find the desired track press ▼ to turn scan play off.
Scan :OFF appears in the display. The track will continue to play.
■ If the display has automatically returned to the playback display, select **Scan** again by pressing **FUNCTION**.

📝 Note

After scanning of a CD is finished, normal playback of the tracks will begin again. ▣

Pausing CD playback

Pause lets you temporarily stop playback of the CD.

1 Press FUNCTION to select Pause.
Press **FUNCTION** until **Pause** appears in the display.

2 Press ▲ to turn pause on.
Pause :ON appears in the display. Play of the current track pauses.

3 Press ▼ to turn pause off.
Pause :OFF appears in the display. Play will resume at the same point that you turned pause on. ▣

Using compression and BMX

Using the COMP (compression) and BMX
functions let you adjust the sound playback
quality of this player. Each of the functions
have a two-step adjustment. The COMP func-
tion balances the output of louder and softer
sounds at higher volumes. BMX controls
sound reverberations to give playback a fuller
sound. Listen to each of the effects as you se-
lect through them and use the one that best
enhances the playback of the track or CD that
you are listening to.

1   Press FUNCTION to select Comp.
Press **FUNCTION** until **Comp.** appears in the
display.

**2   Press ▲ or ▼ to select your favorite set-
ting.**
Press ▲ or ▼ repeatedly to switch between the
following settings:
**Comp./BMX OFF—Comp. 1—Comp. 2—
Comp./BMX OFF—BMX 1—BMX 2**◙

Selecting the search method

You can switch the search method between
fast forward/reverse and searching every 10
tracks.

1   Press FUNCTION to select FF/REV.
Press **FUNCTION** until **FF/REV** appears in the
display.
▪   If the search method **ROUGH SEARCH** has
been previously selected, **ROUGH SEARCH** will
be displayed.

**2   Press ◄ or ► to select the search meth-
od.**
Press ◄ or ► until the desired search method
appears in the display.
•   **FF/REV** – Fast forward and reverse
•   **ROUGH SEARCH** – Searching every 10
   tracks◙

Searching every 10 tracks in the current disc

If a disc contains over 10 tracks, you can
search every 10 tracks. When a disc contains
a lot of tracks, you can roughly search for the
track you want to play.

**1   Select the search method
ROUGH SEARCH.**

**2   Press and hold ◄ or ► to search every
10 tracks on a disc.**
▪   If a disc contains less than 10 tracks, pressing
and holding ► recalls the last track of the disc.
Also, if the remaining number of tracks after
searching every 10 tracks is less than 10, press-
ing and holding ► recalls the last track of the
disc.
▪   If a disc contains less than 10 tracks, pressing
and holding ◄ recalls the first track of the disc.
Also, if the remaining number of tracks after
searching every 10 tracks is less than 10, press-
ing and holding ◄ recalls the first track of the
disc.◙

Using disc title functions

You can input CD titles and display the title.
The next time you insert a CD for which you
have entered a title, the title of that CD will be
displayed.

Entering disc titles

Use the disc title input feature to store up to
48 CD titles in the unit. Each title can be up to
10 characters long.

**1   Play the CD that you want to enter a
title for.**

2 Press FUNCTION and hold until TITLE appears in the display.
■ When playing a CD TEXT disc, you cannot switch to **TITLE**. The disc title will have already been recorded on a CD TEXT disc.

3 Press button 1 to select the desired character type.
Press button **1** repeatedly to switch between the following character types:
Alphabet (upper case)—Alphabet (lower case)—European letters, such as those with accents (e.g., **á, à, ä, ç**)
■ You can select to input numbers by pressing button **2**.

4 Press ▲ or ▼ to select a letter of the alphabet.
Each press of ▲ will display a letter of the alphabet in **A B C ... X Y Z**, numbers and symbols in **1 2 3 ... @ # <** order. Each press of ▼ will display a letter in the reverse order, such as **Z Y X ... C B A**.

5 Press ► to move the cursor to the next character position.
When the letter you want is displayed, press ► to move the cursor to the next position and then select the next letter. Press ◄ to move backwards in the display.

6 Move the cursor to the last position by pressing ► after entering the title.
When you press ► one more time, the entered title is stored in memory.

7 Press BAND to return to the playback display.

> **Notes**
> • Titles remain in memory, even after the disc has been removed from the unit, and are recalled when the disc is reinserted.
> • After data for 48 discs has been stored in memory, data for a new disc will overwrite the oldest one.
> • If you connect a multi-CD player, you can input disc titles for up to 100 discs.

Displaying disc titles

You can display the title of any disc that has had a disc title entered.

● **Press DISPLAY.**
Press **DISPLAY** repeatedly to switch between the following settings:
Play time—**Disc Title** (disc title)
When you select **Disc Title**, the title of the currently playing disc is shown in the display.
■ When a CD with a disc title is inserted, the disc title automatically begins to scroll through the display.
■ If no title has been entered for the currently playing disc, **No Disc Title** is displayed. ◼

Using CD TEXT functions

Some discs have certain information encoded on the disc during manufacture. These discs may contain such information as the CD title, track title, artist's name and playback time and are called CD TEXT discs. Only these specially encoded CD TEXT discs support the functions listed below.

Displaying titles on CD TEXT discs

● **Press DISPLAY.**
Press **DISPLAY** repeatedly to switch between
the following settings:
Play time—**Disc Title** (disc title)
—**DiscArtist Name** (disc artist name)
—**Track Title** (track title)—**TrackArtist Name**
(track artist name)
■ If specific information has not been recorded
on a CD TEXT disc, **No XXXX** will be displayed
(e.g., **No Track Artist Name**).

Scrolling titles in the display

This unit can display the first 16 letters of
Disc Title, **DiscArtist Name**, **Track Title** and
TrackArtist Name. When the text information
is longer than 16 letters, you can scroll the dis-
play as follows.

● **Press DISPLAY and hold until the title
begins to scroll through the display.**
The titles scroll.

📝 Note

When Ever Scroll is set to ON at the initial setting,
CD text information scrolls continuously in the
display. If you want to display the first 16 charac-
ters of text information temporarily and scroll
from the beginning, press and hold **DISPLAY**.
About Ever Scroll, refer to *Switching the Ever
Scroll* on page 43.◙

MP3/WMA/WAV Player

Playing MP3/WMA/WAV
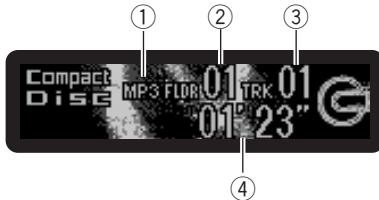
These are the basic steps necessary to play an MP3/WMA/WAV with your built-in CD player. More advanced MP3/WMA/WAV operation is explained starting on the next page.

① **MP3/WMA/WAV indicator**
Shows when the MP3/WMA/WAV file is playing.

② **Folder number indicator**
Shows the number of folder currently playing.

③ **Track number indicator**
Shows the track (file) currently playing.

④ **Play time indicator**
Shows the elapsed playing time of the current track (file).

1   Press SOURCE to select the built-in CD player.
Press **SOURCE** until you see **Compact Disc** displayed.
■ If no disc is loaded in the unit, you cannot select **Compact Disc** (built-in CD player). Insert a disc in the unit. (Refer to page 13.)

2   Press ▲ or ▼ to select a folder.
■ You cannot select a folder that does not have an MP3/WMA/WAV file recorded in it.
■ To return to folder 01 (ROOT), press and hold **BAND**. However, if folder 01 (ROOT) contains no files, playback commences with folder 02.

3   To perform fast forward or reverse, press and hold ◄ or ►.
■ This is fast forward and reverse operation only for the file being played. This operation is canceled when the previous or next file is reached.
■ If you select **ROUGH SEARCH**, pressing and holding ◄ or ► enables you to search every 10 tracks in the current folder. (Refer to *Selecting the search method* on page 25.)

4   To skip back or forward to another track, press ◄ or ►.
Pressing ► skips to the start of the next track. Pressing ◄ once skips to the start of the current track. Pressing again will skip to the previous track.

📝 Notes

• When playing discs with MP3/WMA/WAV files and audio data (CD-DA) such as CD-EXTRA and MIXED-MODE CDs, both types can be played only by switching mode between MP3/WMA/WAV and CD-DA with **BAND**.
• If you have switched between playback of MP3/WMA/WAV files and audio data (CD-DA), playback starts at the first track on the disc.
• The built-in CD player can play back an MP3/WMA/WAV file recorded on CD-ROM. (Refer to page 50 for files that can be played back.)
• Playback is carried out in order of file number. Folders are skipped if they contain no files. (If folder 01 (ROOT) contains no files, playback commences with folder 02.)
• When playing back files recorded as VBR (variable bit rate) files, the play time will not be correctly displayed if fast forward or reverse operations are used.
• If the inserted disc contains no files that can be played back, **No Audio** is displayed.
• If the inserted disc contains WMA files that are protected by digital rights management (DRM) , **TRK SKIPPED** is displayed while the protected file is skipped.
• If all the files on the inserted disc are secured by DRM, **PROTECT** is displayed.
• There is no sound on fast forward or reverse.∎

Introduction of advanced built-in CD player (MP3/ WMA/WAV) operation
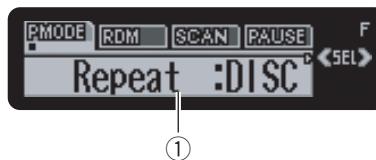
① **Function display**
Shows the function status.

● **Press FUNCTION to display the function names.**
Press **FUNCTION** repeatedly to switch between the following functions:
Repeat (repeat play)—**Random** (random play) —**Scan** (scan play)—**Pause** (pause)—folder list—**Comp./BMX** (compression and BMX) —**FF/REV** (search method)

▪ To return to the playback display, press **BAND**.

📝 Note

If you do not operate the function within about 30 seconds, the display is automatically returned to the playback display. ▣

Repeating play

For MP3/WMA/WAV playback, there are three repeat play ranges: **FOLDER** (folder repeat), **TRACK** (one-track repeat) and **DISC** (repeat all tracks).

1 Press FUNCTION to select Repeat.
Press **FUNCTION** until **Repeat** appears in the display.

2 Press ◄ or ► to select the repeat range.
Press ◄ or ► until the desired repeat range appears in the display.
- **FOLDER** – Repeat the current folder
- **TRACK** – Repeat just the current track
- **DISC** – Repeat all tracks

📝 Notes

- If you select another folder during repeat play, the repeat play range changes to **DISC**.
- If you perform track search or fast forward/reverse during **TRACK**, the repeat play range changes to **FOLDER**.
- When **FOLDER** is selected, it is not possible to play back a subfolder of that folder. ▣

Playing tracks in a random order

Random play lets you play back tracks in a random order within the repeat range, **FOLDER** and **DISC**.

1 Select the repeat range.
Refer to *Repeating play* on this page.

2 Press FUNCTION to select Random.
Press **FUNCTION** until **Random** appears in the display.

3 Press ▲ to turn random play on.
Random :ON appears in the display. Tracks will play in a random order within the previously selected **FOLDER** or **DISC** ranges.

4 Press ▼ to turn random play off.
Random :OFF appears in the display. Tracks will continue to play in order. ▣

Scanning folders and tracks

While you are using **FOLDER**, the beginning of each track in the selected folder plays for about 10 seconds. When you are using **DISC**, the beginning of the first track of each folder is played for about 10 seconds.

1 Select the repeat range.
Refer to *Repeating play* on this page.

2 Press FUNCTION to select Scan.
Press **FUNCTION** until **Scan** appears in the display.

MP3/WMA/WAV Player

3   Press ▲ to turn scan play on.
Scan :ON appears in the display. The first 10 seconds of each track of the current folder (or the first track of each folder) is played.

4   When you find the desired track (or folder) press ▼ to turn scan play off.
Scan :OFF appears in the display. The track (or folder) will continue to play.
■ If the display has automatically returned to the playback display, select **Scan** again by pressing **FUNCTION**.

✎ Note

After track or folder scanning is finished, normal playback of the tracks will begin again.■

Pausing MP3/WMA/WAV playback

Pause lets you temporarily stop playback of the MP3/WMA/WAV.

1   Press FUNCTION to select Pause.
Press **FUNCTION** until **Pause** appears in the display.

2   Press ▲ to turn pause on.
Pause :ON appears in the display. Play of the current track pauses.

3   Press ▼ to turn pause off.
Pause :OFF appears in the display. Play will resume at the same point that you turned pause on.■

Selecting folders from the folder title list

Folder title list lets you see the list of folder titles and select one of them to play back.

1   Press FUNCTION to select folder title list.
Press **FUNCTION** until **Root** appears in the display.

2   Press ◄ or ► to scroll through the list of titles that have been entered.
■ If selected folder contains files, ⌐┐┌╜ appears in the display.

3   Press ▲ to play your favorite folder title.
That selection will begin to play.
■ If selected folder contains no files, **NO FILES** will be displayed.■

Using compression and BMX

Using the COMP (compression) and BMX functions let you adjust the sound playback quality of this player. Each of the functions have a two-step adjustment. The COMP function balances the output of louder and softer sounds at higher volumes. BMX controls sound reverberations to give playback a fuller sound. Listen to each of the effects as you select through them and use the one that best enhances the playback of the track or CD that you are listening to.

1   Press FUNCTION to select Comp.
Press **FUNCTION** until **Comp.** appears in the display.

2   Press ▲ or ▼ to select your favorite setting.
Press ▲ or ▼ repeatedly to switch between the following settings:
Comp./BMX OFF—Comp. 1—Comp. 2—Comp./BMX OFF—BMX 1—BMX 2■

Selecting the search method

You can switch the search method between fast forward/reverse and searching every 10 tracks.

1   Press FUNCTION to select FF/REV.
Press **FUNCTION** until **FF/REV** appears in the display.
■ If the search method **ROUGH SEARCH** has been previously selected, **ROUGH SEARCH** will be displayed.

2 Press ◄ or ► to select the search method.
Press ◄ or ► until the desired search method appears in the display.
- **FF/REV** – Fast forward and reverse
- **ROUGH SEARCH** – Searching every 10 tracks ▣

Searching every 10 tracks in the current folder

If the current folder contains over 10 tracks, you can search every 10 tracks. When one folder contains a lot of tracks, you can roughly search for the track you want to play.

1 Select the search method ROUGH SEARCH.

2 Press and hold ◄ or ► to search every 10 tracks in the current folder.
▪ If the current folder contains less than 10 tracks, pressing and holding ► recalls the last track of the folder. Also, if the remaining number of tracks after searching every 10 tracks is less than 10, pressing and holding ► recalls the last track of the folder.
▪ If the current folder contains less than 10 tracks, pressing and holding ◄ recalls the first track of the folder. Also, if the remaining number of tracks after searching every 10 tracks is less than 10, pressing and holding ◄ recalls the first track of the folder. ▣

Displaying text information on MP3/WMA/WAV disc

Text information recorded on an MP3/WMA/WAV disc can be displayed.

When playing back an MP3/WMA disc

● **Press DISPLAY.**
Press **DISPLAY** repeatedly to switch between the following settings:

Play time—**Folder Name** (folder name) —**File Name** (file name)—**Track Title** (track title)—**Artist Name** (artist name) —**Album Title** (album title)—**Comment** (comment)—Bit rate
▪ When playing back MP3 files recorded as VBR (variable bit rate) files, the bit rate value is not displayed even after switching to bit rate. (**VBR** will be displayed.)
▪ When playing back WMA files recorded as VBR (variable bit rate) files, the average bit rate value is displayed.
▪ If specific information has not been recorded on an MP3/WMA disc, **No XXXX** will be displayed (e.g., **No Folder Name**).
▪ Depending on the version of iTunes® used to encode MP3 files, comment information may not be correctly displayed.
- iTunes® is a trademark of Apple Computer, Inc., registered in the U.S. and other countries.
▪ Depending on the version of Windows Media Player used to encode WMA files, album names and other text information may not be correctly displayed.

When playing back a WAV disc

● **Press DISPLAY.**
Press **DISPLAY** repeatedly to switch between the following settings:
Play time—**Folder Name** (folder name) —**File Name** (file name)—Sampling frequency
▪ If specific information has not been recorded on a WAV disc, **No XXXX** will be displayed (e.g., **No Folder Name**).
▪ You can only play back WAV files in the frequencies 16, 22.05, 24, 32, 44.1 and 48 kHz (LPCM), or 22.05 and 44.1 kHz (MS ADPCM). The sampling frequency shown in the display may be rounded. ▣

MP3/WMA/WAV Player

Scrolling text information in the display

This unit can display the first 16 letters only of **Folder Name**, **File Name**, **Track Title**, **Artist Name**, **Album Title** and **Comment**. When the recorded information is longer than 16 letters, you can scroll the text to the left so that the rest of the text information can be seen.

● **Press DISPLAY and hold until the text information begins to scroll through the display.**
The text information scrolls.

📝 Notes

• Unlike MP3 and WMA file format, WAV files display only **Folder Name** and **File Name**.
• When Ever Scroll is set to ON at the initial setting, CD text information scrolls continuously in the display. If you want to display the first 16 characters of text information temporarily and scroll from the beginning, press and hold **DISPLAY**. About Ever Scroll, refer to *Switching the Ever Scroll* on page 43. ◾

Playing a CD
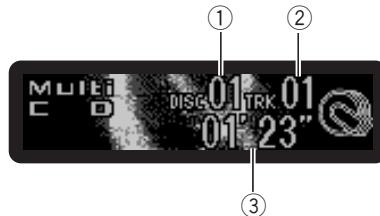
You can use this unit to control a multi-CD player, which is sold separately.
These are the basic steps necessary to play a CD with your multi-CD player. More advanced CD operation is explained starting on the next page.

① **Disc number indicator**
Shows the disc currently playing.

② **Track number indicator**
Shows the track currently playing.

③ **Play time indicator**
Shows the elapsed playing time of the current track.

1 Press SOURCE to select the multi-CD player.
Press **SOURCE** until you see **Multi-CD** displayed.

2 Select a disc you want to listen to with the 1–6 buttons.
For discs located at 1 to 6, press the corresponding button number.
If you want to select a disc located at 7 to 12, press and hold the corresponding numbers, such as **1** for disc 7, until the disc number appears in the display.

■ You can also sequentially select a disc by pressing ▲/▼.

3 To perform fast forward or reverse, press and hold ◄ or ►.

4 To skip back or forward to another track, press ◄ or ►.
Pressing ► skips to the start of the next track. Pressing ◄ once skips to the start of the current track. Pressing again will skip to the previous track.

🖉 Notes

- When the multi-CD player performs the preparatory operations, **Ready** is displayed.
- If an error message such as **ERROR-11** is displayed, refer to the multi-CD player owner's manual.
- If there are no discs in the multi-CD player magazine, **No Disc** is displayed.◾

50-disc multi-CD player

Only those functions described in this manual are supported for 50-disc multi-CD players. This unit is not designed to operate disc title list functions with a 50-disc multi-CD player. About the disc title list functions, please refer to *Selecting discs from the disc title list* on page 33.◾

Multi-CD Player

Introduction of advanced multi-CD player operation
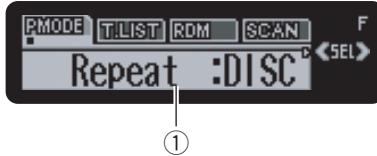
① **Function display**
Shows the function status.

● **Press FUNCTION to display the function names.**
Press **FUNCTION** repeatedly to switch between the following functions:

Repeat (repeat play)—Disc title list—**Random** (random play)—**Scan** (scan play)—**ITS Play** (ITS play)—**Pause** (pause)—**Comp.** (compression and DBE)

■ To return to the playback display, press **BAND**.

Note

If you do not operate the function within about 30 seconds, the display is automatically returned to the playback display. ▣

Repeating play

There are three repeat play ranges for the multi-CD player: **MCD** (multi-CD player repeat), **TRACK** (one-track repeat) and **DISC** (disc repeat).

1   Press FUNCTION to select Repeat.
Press **FUNCTION** until **Repeat** appears in the display.

2   Press ◄ or ► to select the repeat range.
Press ◄ or ► until the desired repeat range appears in the display.
• **MCD** – Repeat all discs in the multi-CD player
• **TRACK** – Repeat just the current track
• **DISC** – Repeat the current disc

Notes

• If you select other discs during repeat play, the repeat play range changes to **MCD**.
• If you perform track search or fast forward/reverse during **TRACK**, the repeat play range changes to **DISC**. ▣

Playing tracks in a random order

Random play lets you play back tracks in a random order within the repeat range, **MCD** and **DISC**.

1   Select the repeat range.
Refer to *Repeating play* on this page.

2   Press FUNCTION to select Random.
Press **FUNCTION** until **Random** appears in the display.

3   Press ▲ to turn random play on.
Random :ON appears in the display. Tracks will play in a random order within the previously selected **MCD** or **DISC** ranges.

4   Press ▼ to turn random play off.
Random :OFF appears in the display. Tracks will continue to play in order. ▣

Scanning CDs and tracks

While you are using **DISC**, the beginning of each track on the selected disc plays for about 10 seconds. When you are using **MCD**, the beginning of the first track of each disc is played for about 10 seconds.

1   Select the repeat range.
Refer to *Repeating play* on the previous page.

2   Press FUNCTION to select Scan.
Press **FUNCTION** until **Scan** appears in the display.

3   Press ▲ to turn scan play on.
Scan :ON appears in the display. The first 10 seconds of each track of the current disc (or the first track of each disc) is played.

4   When you find the desired track (or disc) press ▼ to turn scan play off.
Scan :OFF appears in the display. The track (or disc) will continue to play.
■   If the display has automatically returned to the playback display, select **Scan** again by pressing **FUNCTION**.

Note

After track or disc scanning is finished, normal playback of the tracks will begin again. ▣

Pausing CD playback

Pause lets you temporarily stop playback of the CD.

1   Press FUNCTION to select Pause.
Press **FUNCTION** until **Pause** appears in the display.

2   Press ▲ to turn pause on.
Pause :ON appears in the display. Play of the current track pauses.

3   Press ▼ to turn pause off.
Pause :OFF appears in the display. Play will resume at the same point that you turned pause on. ▣

Using ITS playlists

ITS (instant track selection) lets you make a playlist of favorite tracks from those in the multi-CD player magazine. After you have added your favorite tracks to the playlist you can turn on ITS play and play just those selections.

Creating a playlist with ITS programming

You can use ITS to enter and play back up to 99 tracks per disc, up to 100 discs (with the disc titles). (With multi-CD players sold before the CDX-P1250 and CDX-P650, up to 24 tracks can be stored in the playlist.)

1   Play a CD that you want to program.
Press ▲ or ▼ to select the CD.

2   Press FUNCTION and hold until TITLE appears in the display, then press FUNCTION to select ITS.
After **TITLE** is displayed, press **FUNCTION** repeatedly, the following functions appear in the display:
TITLE (disc title input)—**ITS** (ITS programming)

3   Select the desired track by pressing ◄ or ►.

Multi-CD Player

4   Press ▲ to store the currently playing track in the playlist.
ITS Input is displayed briefly and the currently playing selection is added to your playlist. The display then shows **ITS** again.

5   Press BAND to return to the playback display.

📝 Note

After data for 100 discs has been stored in memory, data for a new disc will overwrite the oldest one.

Playback from your ITS playlist

ITS play lets you listen to the tracks that you have entered into your ITS playlist. When you turn on ITS play, tracks from your ITS playlist in the multi-CD player will begin to play.

1   Select the repeat range.
Refer to *Repeating play* on page 29.

2   Press FUNCTION to select ITS Play.
Press **FUNCTION** until **ITS Play** appears in the display.

3   Press ▲ to turn ITS play on.
ITS Play :ON appears in the display. Playback begins of those tracks from your playlist within the previously selected **MCD** or **DISC** ranges.
■   If no tracks in the current range are programmed for ITS play then **ITS Empty** is displayed.

4   Press ▼ to turn ITS play off.
ITS Play :OFF appears in the display. Playback will continue in normal order from the currently playing track and CD.

Erasing a track from your ITS playlist

When you want to delete a track from your ITS playlist, you can if ITS play is on.
If ITS play is already on, skip to step 2. If ITS play is not already on, press **FUNCTION**.

1   Play the CD with the track you want to delete from your ITS playlist, and turn ITS play on.
Refer to *Playback from your ITS playlist* on this page.

2   Press FUNCTION and hold until TITLE appears in the display, then press FUNCTION to select ITS.
After **TITLE** is displayed, press **FUNCTION** until **ITS** appears in the display.

3   Select the desired track by pressing ◄ or ►.

4   Press ▼ to erase the track from your ITS playlist.
The currently playing selection is erased from your ITS playlist and playback of the next track from your ITS playlist begins.
■   If there are no tracks from your playlist in the current range, **ITS Empty** is displayed and normal play resumes.

5   Press BAND to return to the playback display.

Erasing a CD from your ITS playlist

When you want to delete all tracks of a CD from your ITS playlist, you can if ITS play is off.

1   Play the CD that you want to delete.
Press ▲ or ▼ to select the CD.

2   Press FUNCTION and hold until TITLE appears in the display, then press FUNCTION to select ITS.
After **TITLE** is displayed, press **FUNCTION** until **ITS** appears in the display.

3   Press ▼ to erase all tracks on the currently playing CD from your ITS playlist.
All tracks on the currently playing CD are erased from your playlist and **ITS Clear** is displayed.

4   Press BAND to return to the playback display.◼

Using disc title functions

You can input CD titles and display the titles. Then you can easily search for and play a desired disc.

Entering disc titles

Use the disc title input feature to store up to 100 CD titles (with ITS playlist) into the multi-CD player. Each title can be up to 10 characters long.

1   Play the CD that you want to enter a title for.
Press ▲ or ▼ to select the CD.

2   Press FUNCTION and hold until TITLE appears in the display.
After **TITLE** is displayed, press **FUNCTION** repeatedly, the following functions appear in the display:
TITLE (disc title input)—**ITS** (ITS programming)
▪ When playing a CD TEXT disc on a CD TEXT compatible multi-CD player, you cannot switch to **TITLE**. The disc title will have already been recorded on a CD TEXT disc.

3   Press button 1 to select the desired character type.
Press button **1** repeatedly to switch between the following character types:
Alphabet (upper case)—Alphabet (lower case)—European letters, such as those with accents (e.g., **á, à, ä, ç**)
▪ You can select to input numbers by pressing button **2**.

4   Press ▲ or ▼ to select a letter of the alphabet.
Each press of ▲ will display a letter of the alphabet in **A B C ... X Y Z**, numbers and symbols in **1 2 3 ... @ # <** order. Each press of ▼ will display a letter in the reverse order, such as **Z Y X ... C B A**.

5   Press ► to move the cursor to the next character position.
When the letter you want is displayed, press ► to move the cursor to the next position and then select the next letter. Press ◄ to move backwards in the display.

6   Move the cursor to the last position by pressing ► after entering the title.
When you press ► one more time, the entered title is stored in memory.

7   Press BAND to return to the playback display.

✐ Notes

• Titles remain in memory, even after the disc has been removed from the magazine, and are recalled when the disc is reinserted.

Multi-CD Player

• After data for 100 discs has been stored in memory, data for a new disc will overwrite the oldest one.

Displaying disc titles

You can display the title of any disc that has had a disc title entered.

● **Press DISPLAY.**
Press **DISPLAY** repeatedly to switch between the following settings:
Play time—**Disc Title** (disc title)
When you select **Disc Title**, the title of the currently playing disc is shown in the display.

■ When a CD with a disc title is inserted, the disc title automatically begins to scroll through the display.

■ If no title has been entered for the currently playing disc, **No Disc Title** is displayed.

Selecting discs from the disc title list

Disc title list lets you see the list of disc titles that have been entered into the multi-CD player and select one of them to play back.

1 Press FUNCTION to select disc title list.
Press **FUNCTION** until disc title appears in the display.

2 Press ◄ or ► to scroll through the list of titles that have been entered.
■ If no title has been entered for a disc, **No D-Title** will be displayed.

3 Press ▲ to play your favorite CD title.
That selection will begin to play. ◼

Using CD TEXT functions

You can use these functions only with a CD TEXT compatible multi-CD player.
Some discs have certain information encoded on the disc during manufacture. These discs may contain such information as the CD title, track title, artist's name and playback time and are called CD TEXT discs. Only these specially encoded CD TEXT discs support the functions listed below.

Displaying titles on CD TEXT discs

● **Press DISPLAY.**
Press **DISPLAY** repeatedly to switch between the following settings:
Play time—**Disc Title** (disc title)
—**DiscArtist Name** (disc artist name)
—**Track Title** (track title)—**TrackArtist Name** (track artist name)

■ If specific information has not been recorded on a CD TEXT disc, **No XXXX** will be displayed (e.g., **No Track Artist Name**).

Scrolling titles in the display

This unit can display the first 16 letters only of **Folder Name**, **File Name**, **Track Title**, **Artist Name**, **Album Title** and **Comment**. When the recorded information is longer than 16 letters, you can scroll the text to the left so that the rest of the text information can be seen.

● **Press DISPLAY and hold until the title begins to scroll through the display.**
The titles scroll.

📝 **Note**

When Ever Scroll is set to ON at the initial setting, CD text information scrolls continuously in the display. If you want to display the first 16 characters of text information temporarily and scroll from the beginning, press and hold **DISPLAY**. About Ever Scroll, refer to *Switching the Ever Scroll* on page 43.◼

Using compression and bass emphasis

You can use these functions only with a multi-CD player that supports them.
Using COMP (compression) and DBE (dynamic bass emphasis) functions lets you adjust the sound playback quality of the multi-CD player. Each of the functions has a two-step adjustment. The COMP function balances the output of louder and softer sounds at higher volumes. DBE boosts bass levels to give playback a fuller sound. Listen to each of the effects as you select them and use the one that best enhances the playback of the track or CD that you are listening to.

1   Press FUNCTION to select Comp.
Press **FUNCTION** until **Comp.** appears in the display.
▪   If the multi-CD player does not support COMP/DBE, **No Comp.** is displayed when you attempt to select it.

2   Press ▲ or ▼ to select your favorite setting.
Press ▲ or ▼ repeatedly to switch between the following settings:
Comp. OFF—Comp. 1—Comp. 2—
Comp. OFF—DBE 1—DBE 2 ◼

Audio Adjustments

Introduction of audio adjustments
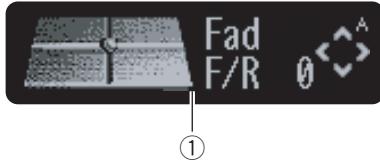
① **Audio display**
Shows the audio adjustments status.

● **Press AUDIO to display the audio function names.**
Press **AUDIO** repeatedly to switch between the following audio functions:
Fad (balance adjustment)—**EQ** (equalizer curve adjustment)—**Bass** (bass and treble level adjustment)—**Loud** (loudness)
—**Sub-W1** (subwoofer on/off setting)/**NonFad** (non fading output on/off setting)—**Sub-W2** (subwoofer setting)/**NonFad** (non fading output setting)—**HPF** (high pass filter)—**SLA** (source level adjustment)

▪ If EQ-EX function has been selected and only when EQ-EX is turned on and **CUSTOM** is selected as the equalizer curve, you can switch to **Bass**.

▪ When the subwoofer controller setting is only **PREOUT:FULL**, you cannot switch to **Sub-W1**. (Refer to page 42.)

▪ You can select the **Sub-W2** only when subwoofer output is turned on in the **Sub-W1**.

▪ When the subwoofer controller setting is only **PREOUT:FULL**, you can switch to the nonfading output on/off setting. (Refer to page 42.)

▪ You can select the nonfading output setting only when nonfading output is turned on in the nonfading output on/off setting.

▪ When selecting the FM tuner as the source, you cannot switch to **SLA**.

▪ To return to the display of each source, press **BAND**.

📝 **Note**

If you do not operate the audio function within about 30 seconds, the display is automatically returned to the source display. ▣

Compensating for equalizer curves (EQ-EX)

The EQ-EX function smoothes the effects of each equalizer curve. Furthermore, you can adjust bass and treble for each source when **CUSTOM** curve is selected.

● **Press and hold SW to turn EQ-EX on.**
EQ-EX ON appears in the display. EQ-EX is now on.

▪ To turn EQ-EX off, press and hold **SW**.

▪ If you do not operate the EQ-EX within about 8 seconds, the display automatically returned to the source display. ▣

Using balance adjustment

You can select a fader/balance setting that provides an ideal listening environment in all occupied seats.

1 Press AUDIO to select Fad.
Press **AUDIO** until **Fad** appears in the display.

▪ If the balance setting has been previously adjusted, **Bal** will be displayed.

2 Press ▲ or ▼ to adjust front/rear speaker balance.
Each press of ▲ or ▼ moves the front/rear speaker balance towards the front or the rear.
Fad F 15 – **Fad R 15** is displayed as the front/rear speaker balance moves from front to rear.

▪ **Fad F/R 0** is the proper setting when only two speakers are used.

■ When the rear output setting is
REAR SP :S/W, you cannot adjust front/rear
speaker balance. Refer to *Setting the rear output
and subwoofer controller* on page 42.

**3   Press ◄ or ► to adjust left/right speaker
balance.**
When you press ◄ or ►, **Bal L/R 0** is dis-
played. Each press of ◄ or ► moves the left/
right speaker balance towards the left or the
right.
Bal L 9 – **Bal R 9** is displayed as the left/right
speaker balance moves from left to right. ◼

Using the equalizer

The equalizer lets you adjust the equalization
to match car interior acoustic characteristics
as desired.

Recalling equalizer curves

There are six stored equalizer curves which
you can easily recall at any time. Here is a list
of the equalizer curves:

Display	Equalizer curve
SUPER BASS	Super bass
POWERFUL	Powerful
NATURAL	Natural
VOCAL	Vocal
CUSTOM	Custom
FLAT	Flat

• **CUSTOM** is an adjusted equalizer curve
  that you create.
• A separate **CUSTOM** curve can be created
  for each source. (The built-in CD player and
  the multi-CD player are set to the same
  equalizer adjustment setting automati-
  cally.) If you make adjustments, the equali-

zer curve settings will be memorized in
CUSTOM.
• When **FLAT** is selected no supplement or
  correction is made to the sound. This is
  useful to check the effect of the equalizer
  curves by switching alternatively between
  FLAT and a set equalizer curve.

● **Press EQ to select the equalizer.**
Press **EQ** repeatedly to switch between the fol-
lowing equalizers:
SUPER BASS—**POWERFUL**—**NATURAL**—
VOCAL—**CUSTOM**—**FLAT**

Adjusting equalizer curves

You can adjust the currently selected equalizer
curve setting as desired. Adjusted equalizer
curve settings are memorized in **CUSTOM**.

1   Press AUDIO to select EQ.
Press **AUDIO** until **EQ** appears in the display.

**2   Press ◄ or ► to select the equalizer
band to adjust.**
Each press of ◄ or ► selects equalizer bands
in the following order:
EQ LOW (low)—**EQ MID** (mid)—**EQ HIGH**
(high)

**3   Press ▲ or ▼ to adjust the level of the
equalizer band.**
Each press of ▲ or ▼ increases or decreases
the level of the equalization band.
+6 – **–6** is displayed as the level is increased
or decreased.
■ You can then select another band and adjust
the level.

✐ Note

If you make adjustments, **CUSTOM** curve is up-
dated.

Audio Adjustments

Fine-adjusting equalizer curve

You can adjust the center frequency and the Q factor (curve characteristics) of each currently selected curve band (**EQ LOW**/**EQ MID**/**EQ HIGH**).
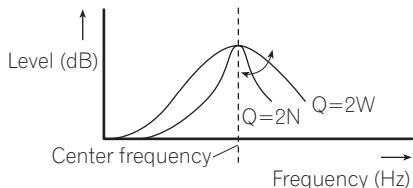
1 Press AUDIO and hold until frequency and the Q factor (e.g., F 80 Q 1W) appears in the display.

2 Press AUDIO to select the band for adjustment from among low, mid and high.
Press **AUDIO** repeatedly to switch between the following functions:
Low—Mid—High—**Bass** (bass adjustment)
—**Treble** (treble adjustment)
▪ If EQ-EX function has been selected and only when EQ-EX is turned on and **CUSTOM** is selected as the equalizer curve, you can switch to **Bass** and **Treble**.

3 Press ◄ or ► to select the desired frequency.
Press ◄ or ► until the desired frequency appears in the display.
Low: **40**—**80**—**100**—**160** (Hz)
Mid: **200**—**500**—**1k**—**2k** (Hz)
High: **3.15k**—**8k**—**10k**—**12.5k** (Hz)

4 Press ▲ or ▼ to select the desired Q factor.
Press ▲ or ▼ until the desired Q factor appears in the display.
2N—**1N**—**1W**—**2W**

Note

If you make adjustments, **CUSTOM** curve is updated. ▪

Adjusting bass and treble

Use this function to adjust the bass and treble. The ability to select the frequency as well as the level gives you good control over the total balance of audio.
• If EQ-EX function has been selected and EQ-EX turned on and **CUSTOM** selected as the equalizer curve, you can adjust bass and treble settings.

Adjusting bass and treble level

You can adjust the bass and treble level.

1 Press AUDIO to select Bass.
Press **AUDIO** until **Bass** appears in the display.
▪ If the treble level has been previously adjusted, **Treble** will be displayed.

2 Press ◄ or ► to select bass or treble.
Press ◄ and **Bass** is displayed. Press ► and **Treble** is displayed.

3 Press ▲ or ▼ to adjust the level.
Each press of ▲ or ▼ increases or decreases the selected bass or treble level. **+6** – **–6** is displayed as the level is increased or decreased.

Selecting bass frequency

You can select the bass frequency for level adjustment.

1 Press AUDIO and hold until frequency and the Q factor (e.g., F 80 Q 1W) appears in the display.

2 Press AUDIO to select Bass.
Press **AUDIO** until **Bass** appears in the display.

3 Press ◄ or ► to select the desired frequency.
Press ◄ or ► until the desired frequency appears in the display.
40—**63**—**100**—**160** (Hz)

Selecting treble frequency

You can select the treble frequency for level adjustment.

1 Press AUDIO and hold until frequency and the Q factor (e.g., F 80 Q 1W) appears in the display.

2 Press AUDIO to select Treble.
Press **AUDIO** until **Treble** appears in the display.

3 Press ◄ or ► to select the desired frequency.
Press ◄ or ► until the desired frequency appears in the display.
2.5k—**4k**—**6.3k**—**10k** (Hz) ▣

Adjusting loudness

Loudness compensates for deficiencies in the low- and high-sound ranges at low volume.

1 Press AUDIO to select Loud.
Press **AUDIO** until **Loud** appears in the display.

2 Press ▲ to turn loudness on.
Loudness level (e.g., **Loud MID**) appears in the display.

3 Press ◄ or ► to select a desired level.
Each press of ◄ or ► selects level in the following order:
LOW (low)—**MID** (mid)—**HIGH** (high)

4 Press ▼ to turn loudness off.
Loud OFF appears in the display. ▣

Using subwoofer output

This unit is equipped with a subwoofer output which can be turned on or off.

1 Press AUDIO to select Sub-W1.
Press **AUDIO** until **Sub-W1** appears in the display.
- You can also select the subwoofer setting menu by pressing **SW** on the unit.
- When the subwoofer controller setting is **PREOUT:FULL**, you cannot select **Sub-W1**.

2 Press ▲ to turn subwoofer output on.
Sub-W1 Normal appears in the display. Subwoofer output is now on.
- To turn subwoofer output off, press ▼.

3 Press ◄ or ► to select the phase of subwoofer output.
Press ◄ to select reverse phase and **Rev.** appears in the display. Press ► to select normal phase and **Normal** appears in the display.

Audio Adjustments

Adjusting subwoofer settings

When the subwoofer output is on, you can adjust the cut-off frequency and the output level of the subwoofer.

1   Press AUDIO to select Sub-W2.
Press **AUDIO** until **Sub-W2** appears in the display.
■   You can also select the subwoofer setting menu by pressing **SW** on the unit.
■   When the subwoofer output is on, you can select **Sub-W2**.

2   Press ◄ or ► to select cut-off frequency.
Each press of ◄ or ► selects cut-off frequencies in the following order:
50—80—125 (Hz)
Only frequencies lower than those in the selected range are outputted from the subwoofer.

3   Press ▲ or ▼ to adjust the output level of the subwoofer.
Each press of ▲ or ▼ increases or decreases the level of the subwoofer. **+6 – –6** is displayed as the level is increased or decreased. ◼

Using nonfading output

When the nonfading output setting is on, the audio signal does not pass through this unit's low pass filter (for the subwoofer), but is outputted through the RCA output.

1   Press AUDIO to select nonfading output on/off setting.
Press **AUDIO** until **NonFad ON** appears in the display.
■   When the subwoofer controller setting is only **PREOUT:FULL**, you can switch to the nonfading output on/off setting. (Refer to page 42.)

2   Press ▲ to turn nonfading output on.
NonFad ON appears in the display. Nonfading output is now on.
■   To turn nonfading output off, press ▼.

Adjusting nonfading output level

When the nonfading output is on, you can adjust the level of nonfading output.

1   Press AUDIO to select nonfading output setting.
Press **AUDIO** until **NonFad 0** appears in the display.

2   Press ▲ or ▼ to adjust the nonfading output level.
Each press of ▲ or ▼ increases or decreases the level of the nonfading output. **+6 – –6** is displayed as the level is increased or decreased. ◼

Using the high pass filter

When you do not want low sounds from the subwoofer output frequency range to play from the front or rear speakers, turn on the HPF (high pass filter). Only frequencies higher than those in the selected range are outputted from the front or rear speakers.

1   Press AUDIO to select HPF.
Press **AUDIO** until **HPF** appears in the display.

2   Press ▲ to turn high pass filter on.
HPF 80 Hz appears in the display. High pass filter is now on.
■   To turn high pass filter off, press ▼.

3   Press ◄ or ► to select cut-off frequency.
Each press of ◄ or ► selects cut-off frequencies in the following order:
50—80—125 (Hz)

Only frequencies higher than those in the se-
lected range are outputted from the front or
rear speakers. ■

Adjusting source levels

SLA (source level adjustment) lets you adjust
the volume level of each source to prevent ra-
dical changes in volume when switching be-
tween sources.
• Settings are based on the FM tuner volume
  level, which remains unchanged.

**1   Compare the FM tuner volume level
with the level of the source you wish to ad-
just.**

2   Press AUDIO to select SLA.
Press **AUDIO** until **SLA** appears in the display.

**3   Press ▲ or ▼ to adjust the source vo-
lume.**
Each press of ▲ or ▼ increases or decreases
the source volume.
SLA +4 – **SLA –4** is displayed as the source vo-
lume is increased or decreased.

🖉 Notes
• The AM tuner volume level can also be ad-
  justed with source level adjustments.
• The built-in CD player and the multi-CD player
  are set to the same source level adjustment
  volume automatically.
• External unit 1 and external unit 2 are set to
  the same source level adjustment volume
  automatically. ■

Initial Settings

Adjusting initial settings

①

Initial settings lets you perform initial setup of different settings for this unit.

① **Function display**
Shows the function status.

1 Press SOURCE and hold until the unit turns off.

2 Press FUNCTION and hold until the clock appears in the display.

3 Press FUNCTION to select one of the initial settings.
Press **FUNCTION** repeatedly to switch between the following settings:
Clock—**Warning** (warning tone)—**AUX** (auxiliary input)—**Dimmer** (dimmer)—**Brightness** (brightness)—**REAR SP** (rear output and subwoofer controller)—**Telephone** (telephone muting/attenuation)—**Ever Scroll** (ever scroll)
Use the following instructions to operate each particular setting.
■ To cancel initial settings, press **BAND**.
■ You can also cancel initial settings by holding down **FUNCTION** until the unit turns off. ▣

Setting the clock

Use these instructions to set the clock.

1 Press FUNCTION to select clock.
Press **FUNCTION** repeatedly until clock appears in the display.

2 Press ◄ or ► to select the segment of the clock display you wish to set.
Pressing ◄ or ► will select one segment of the clock display:
Hour—Minute
As you select segments of the clock display the segment selected will blink.

3 Press ▲ or ▼ to set the clock.
Pressing ▲ will increase the selected hour or minute. Pressing ▼ will decrease the selected hour or minute. ▣

Switching the warning tone

If the front panel is not detached from the head unit within five seconds of turning off the ignition, a warning tone will sound. You can turn off the warning tone.

1 Press FUNCTION to select Warning.
Press **FUNCTION** repeatedly until **Warning** appears in the display.

2 Press ▲ or ▼ to turn Warning on or off.
Pressing ▲ or ▼ will turn **Warning** on or off and that status will be displayed (e.g., **Warning :ON**). ▣

Switching the auxiliary setting

It is possible to use auxiliary equipment with this unit. Activate the auxiliary setting when using auxiliary equipment connected to this unit.

1   Press FUNCTION to select AUX.
Press **FUNCTION** repeatedly until **AUX** appears in the display.

2   Press ▲ or ▼ to turn AUX on or off.
Pressing ▲ or ▼ will turn **AUX** on or off and
that status will be displayed (e.g.,
AUX:ON). ■

Switching the dimmer setting

To prevent the display from being too bright at
night, the display is automatically dimmed
when the car's headlights are turned on. You
can turn the dimmer on or off.

1   Press FUNCTION to select Dimmer.
Press **FUNCTION** repeatedly until **Dimmer** appears in the display.

2   Press ▲ or ▼ to turn Dimmer on or off.
Pressing ▲ or ▼ will turn **Dimmer** on or off
and that status will be displayed (e.g.,
Dimmer:ON). ■

Adjusting the brightness

You can adjust the display brightness. Initially
this mode is set to 12.

1   Press FUNCTION to select Brightness.
Press **FUNCTION** repeatedly until **Brightness**
appears in the display.

**2   Press ◄ or ► to adjust the brightness
level.**
Each press of ◄ or ► increases or decreases
the brightness level. **0 – 15** is displayed as the
level is increased or decreased. ■

Setting the rear output and subwoofer controller

This unit's rear output (rear speaker leads output and RCA rear output) can be used for full-range speaker (**REAR SP:FULL**) or subwoofer
(**REAR SP:S/W**) connection. If you switch the
rear output setting to the **REAR SP:S/W**, you
can connect a rear speaker lead directly to a
subwoofer without using an auxiliary amp.
Initially, the unit is set for rear full-range speaker connection (**REAR SP:FULL**). When rear
output is connected to full range speakers
(when **REAR SP:FULL** is selected), you can
connect the RCA subwoofer output to a subwoofer. In this case, you can select whether to
use the subwoofer controller's (low pass filter,
phase) built-in **PREOUT:S/W** or the auxiliary
PREOUT:FULL.

1   Press FUNCTION to select REAR SP.
Press **FUNCTION** repeatedly until **REAR SP** appears in the display.

**2   Press ▲ or ▼ to switch the rear output
setting.**
Pressing ▲ or ▼ will switch between
REAR SP:FULL (full-range speaker) and
REAR SP:S/W (subwoofer) and that status will
be displayed.
■ When no subwoofer is connected to the rear
output, select **REAR SP:FULL**.
■ When a subwoofer is connected to the rear
output, set for subwoofer **REAR SP:S/W**.
■ When the rear output setting is
REAR SP:S/W, you cannot change the subwoofer
controller.

**3   Press ◄ or ► to switch the subwoofer
output or nonfading output (full-range
RCA output).**
Pressing ◄ or ► will switch between
PREOUT:S/W and **PREOUT:FULL** and that
status will be displayed.

Initial Settings

📝 Notes

- Even if you change this setting, there is no output unless you turn the nonfading output (refer to *Using nonfading output* on page 39) or subwoofer output (refer to *Using subwoofer output* on page 38) in the audio menu on.
- If you change the subwoofer controller, subwoofer output and nonfading output in the audio menu return to the factory settings.
- Both rear speaker leads output and RCA rear output are switched simultaneously in this setting. ▣

Switching the telephone muting/attenuation

Sound from this system is muted or attenuated automatically when the signal from the equipment with mute function is received.

- The sound is turned off or attenuated, **MUTE** or **ATT** is displayed and no audio adjustment is possible.
- Sound from this system returns to normal when the muting or attenuation is cancelled.

1   Press FUNCTION to select Telephone.
Press **FUNCTION** repeatedly until **Telephone** appears in the display.

2   Press ◄ or ► to switch the telephone muting/attenuation.
Pressing ◄ or ► will switch between **Telephone:ATT** (attenuation) and **Telephone:MUTE** (muting) and that status will be displayed. ▣

Switching the Ever Scroll

When Ever Scroll is set to ON, CD text information scrolls continuously in the display. Set to OFF if you prefer the information to scroll just once.

1   Press FUNCTION to select Ever Scroll.
Press **FUNCTION** repeatedly until **Ever Scroll** appears in the display.

2   Press ▲ or ▼ to turn Ever Scroll on or off.
Pressing ▲ or ▼ will turn **Ever Scroll** on or off and that status will be displayed (e.g., **Ever Scroll:ON**). ▣

Using the operation mode 2

Switching to operation mode 2 enables you to operate the basic functions for each source easily.

• However, it may not possible to operate every function for each source with operation mode 2. Switch the operation mode to 1 to operate a function that does not correspond to operation mode 2.

1 Press ENTERTAINMENT and hold to switch to operation mode 2.
Press **ENTERTAINMENT** and hold until **Operation Mode 2** appears in the display. Depending on the source that you have selected, **PAUSE**, **AUDIO**, **DISPLAY** and **FUNCTION** buttons change to the assigned function.

■ To switch to operation mode 1, press **ENTERTAINMENT** and hold until **Operation Mode 1** appears in the display.

2 Press PAUSE, AUDIO, DISPLAY or FUNCTION.
You can operate the function of the button you have pressed.
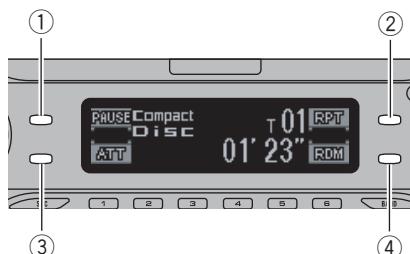
① **PAUSE** button
② **AUDIO** button
③ **DISPLAY** button
④ **FUNCTION** button

Tuner

Button	Operation
PAUSE	Press to turn loudness on or off.
AUDIO	Press to turn local function on or off.
DISPLAY	Press to quickly lower the volume level, by about 90%. Press once more to return to the original volume level.
FUNCTION	Press and hold to turn **BSM** on. Press to turn **BSM** off.

Built-in CD Player

Button	Operation
PAUSE	Press to turn pause on or off.
AUDIO	Press to select the repeat range.
DISPLAY	Press to quickly lower the volume level, by about 90%. Press once more to return to the original volume level.
FUNCTION	Press to turn **Random** on or off.

MP3/WMA/WAV and Multi-CD player

Button	Operation
PAUSE	Press to turn pause on or off.
AUDIO	Press to select the repeat range.
DISPLAY	Press to quickly lower the volume level, by about 90%. Press once more to return to the original volume level.
FUNCTION	Press to turn **Random** on or off.

XM tuner

Button	Operation
PAUSE	Press to turn loudness on or off.
AUDIO	Press to switch channel select mode.

Other Functions

Button	Operation
DISPLAY	No function.
FUNCTION	No function.

Television

Button	Operation
PAUSE	Press to turn loudness on or off.
AUDIO	Press and hold to turn best stations sequential memory on. Press to turn best stations sequential memory off.
DISPLAY	Press to quickly lower the volume level, by about 90%. Press once more to return to the original volume level.
FUNCTION	No function.

DVD player and Multi-DVD player

Button	Operation
PAUSE	Press to turn pause on or off.
AUDIO	Press to select the repeat range.
DISPLAY	Press to quickly lower the volume level, by about 90%. Press once more to return to the original volume level.
FUNCTION	No function.

AUX

Button	Operation
PAUSE	Press to turn loudness on or off.
AUDIO	No function.
DISPLAY	Press to quickly lower the volume level, by about 90%. Press once more to return to the original volume level.
FUNCTION	No function.

▣

Turning the clock display on or off

You can turn the clock display on or off.

● **Press CLOCK to turn the clock display on or off.**
Each press of **CLOCK** turns the clock display on or off.

■ The clock display disappears temporarily when you perform other operations, but the clock display appears again after 6 seconds.

📝 Note

Even when the sources are off, the clock display appears on the display. Pressing **CLOCK** turns the clock display on or off. ▣

Using the AUX source

An IP-BUS-RCA Interconnector such as the CD-RB20/CD-RB10 (sold separately) lets you connect this unit to auxiliary equipment featuring RCA output. For more details, refer to the IP-BUS-RCA Interconnector owner's manual.

Selecting AUX as the source

● **Press SOURCE to select AUX as the source.**
Press **SOURCE** until **AUX** appears in the display.

■ If the auxiliary setting is not turned on, **AUX** cannot be selected. For more details, see *Switching the auxiliary setting* on page 41.

Setting the AUX title

The title displayed for the **AUX** source can be changed.

1 After you have selected AUX as the source, press FUNCTION and hold until TITLE appears in the display.

2 Press button 1 to select the desired character type.
Press button **1** repeatedly to switch between the following character types:
Alphabet (upper case)—Alphabet (lower case)—European letters, such as those with accents (e.g., **á, à, ä, ç**)
▪ You can select to input numbers by pressing button **2**.

3 Press ▲ or ▼ to select a letter of the alphabet.
Each press of ▲ will display a letter of the alphabet in **A B C ... X Y Z**, numbers and symbols in **1 2 3 ... @ # <** order. Each press of ▼ will display a letter in the reverse order, such as **Z Y X ... C B A**.

4 Press ► to move the cursor to the next character position.
When the letter you want is displayed, press ► to move the cursor to the next position and then select the next letter. Press ◄ to move backwards in the display.

5 Move the cursor to the last position by pressing ► after entering the title.
When you press ► one more time, the entered title is stored in memory.

6 Press BAND to return to the playback display. ▣

Using different entertainment displays

You can enjoy entertainment displays while listening to each sound source.
• When operation mode 2 is selected, this function is not available.

● **Press ENTERTAINMENT.**
Each time you press **ENTERTAINMENT** the display changes in the following order:
Back ground visual 1—Back ground visual 2—Back ground visual 3—Back ground visual 4—Level indicator 1—Level indicator 2—Movie screen 1—Movie screen 2—Entertainment clock—Source icon display▣

Introduction of XM operation
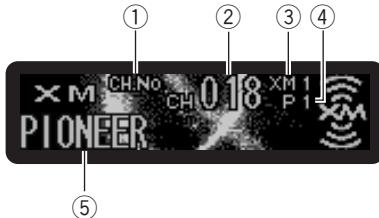
You can use this unit to control a XM satellite digital tuner (GEX-P910XM), which is sold separately.

For details concerning operation, refer to the XM tuner's operation manuals. This section provides information on XM operations with this unit which differs from that described in the XM tuner's operation manual.

① **XM channel select setting indicator**
Shows what channel select setting has been selected. **CH.No** is displayed when **CHNUMBER** is selected, and **CAT** is displayed when **CATEGORY** is selected.

② **XM channel number indicator**
Shows to which XM channel number the tuner is tuned.

③ **XM band indicator**
Shows the XM band which has been selected.

④ **XM preset number indicator**
Shows what XM preset has been selected.

⑤ **XM channel name**
Shows the channel name of broadcast channel.

XM operation

XM operation of the following functions with this unit differs.
• *Switching the XM display* (Refer to this page.)
• *Swiching the XM channel select setting* (Refer to this page.)

This unit does not have the following function.
• *Scrolling the text in the display*

Switching the XM display

● **Press DISPLAY to switch the XM display.**
Each press of **DISPLAY** changes the XM display in the following order:
Channel name—Artist name/feature—Song/program title—Channel category

Swiching the XM channel select setting

You can switch if you select a channel with a channel number or from a channel category when you select a channel.

● **Press CLOCK and hold to select the desired channel select setting.**
Press **CLOCK** and hold repeatedly to switch between the following channel select settings:
CHNUMBER (channel number select setting)
—**CATEGORY** (channel category select setting) ▣

Introduction of DVD operation

You can use this unit with a separately sold DVD player or multi-DVD player.

For details concerning operation, refer to the DVD player's or multi-DVD player's operation manual. This section provides information on DVD operations with this unit which differs from that described in the DVD player's or multi-DVD player's operation manual.

Operation

You can use the following function with this unit. (Reference page is in this manual.)
• *Using ITS playlist and disc title functions* (Refer to this page.)

Also, operation of the following function with this unit differs. (Reference page is in this manual.)
• *Function menu switching* (Refer to this page.)

Function menu switching

● **During DVD playback, press FUNCTION to display the function names.**
Press **FUNCTION** repeatedly to switch between the following functions:
Repeat (repeat play)—**Pause** (pause)

● **During Video CD playback, press FUNCTION to display the function names.**
Press **FUNCTION** repeatedly to switch between the following functions:
Repeat (repeat play)—**Pause** (pause)

● **During CD playback, press FUNCTION to display the function names.**
Press **FUNCTION** repeatedly to switch between the following functions:
Repeat (repeat play)—**Random** (random play)
—**Scan** (scan play)—**ITS Play** (ITS play)
—**Pause** (pause)

📝 Notes

• When using this unit with multi-DVD player, you can switch to **ITS Play**.
• Repeat play function is different depending on the disc types.
— During DVD playback, press ◄ or ► to select the repeat range.
— During Video CD or CD playback, press ▲ or ▼ to turn repeat play on or off.

Using ITS playlist and disc title functions

During CD playback when using this unit with a multi-DVD player, you can use these functions. Operation is same as for multi-CD player. Please refer to multi-CD player section. ▣

Additional Information

Understanding built-in CD player error messages

When you contact your dealer or your nearest Pioneer Service Center, be sure to record the error message.

Message	Cause	Action
ERROR-11, 12, 17, 30	Dirty disc	Clean disc.
ERROR-11, 12, 17, 30	Scratched disc	Replace disc.
ERROR-10, 11, 12, 15, 17, 30, A0	Electrical or mechanical	Turn the ignition ON and OFF, or switch to a different source, then back to the CD player.
ERROR-15	The inserted disc does not contain any data	Replace disc.
ERROR-22, 23	The CD format cannot be played back	Replace disc.
ERROR-44	All tracks are skip tracks	Replace disc.

CD player and care

- Use only CDs that have either of the two Compact Disc Digital Audio marks as shown below.

- Use only normal, round CDs. If you insert irregular, non-round, shaped CDs they may jam in the CD player or not play properly.

- Check all CDs for cracks, scratches or warping before playing. CDs that have cracks, scratches or are warped may not play properly. Do not use such discs.
- Avoid touching the recorded (non-printed) surface when handling the disc.
- Store discs in their cases when not in use.
- Keep discs out of direct sunlight and do not expose the discs to high temperatures.
- Do not attach labels, write on or apply chemicals to the surface of the discs.
- To clean a CD, wipe the disc with a soft cloth outward from the center.

- If the heater is used in cold weather, moisture may form on components inside the CD player. Condensation may cause the CD player to malfunction. If you think that condensation is a problem turn off the CD player for an hour or so to allow it to dry out and wipe any damp discs with a soft cloth to remove the moisture.
- Road shocks may interrupt CD playback.

CD-R/CD-RW discs

- When CD-R/CD-RW discs are used, playback is possible only for discs which have been finalized.

Additional Information

- It may not be possible to play back CD-R/CD-RW discs recorded on a music CD recorder or a personal computer because of disc characteristics, scratches or dirt on the disc, or dirt, condensation, etc., on the lens of this unit.
- Playback of discs recorded on a personal computer may not be possible, depending on the application settings and the environment. Please record with the correct format. (For details, contact the manufacturer of the application.)
- Playback of CD-R/CD-RW discs may become impossible in case of direct exposure to sunlight, high temperatures, or the storage conditions in the vehicle.
- Titles and other text information recorded on a CD-R/CD-RW disc may not be displayed by this unit (in the case of audio data (CD-DA)).
- This unit conforms to the track skip function of the CD-R/CD-RW disc. The tracks containing the track skip information are skipped automatically (in case of audio data (CD-DA)).
- If you insert a CD-RW disc into this unit, time to playback will be longer than when you insert a conventional CD or CD-R disc.
- Read the precautions with CD-R/CD-RW discs before using them.◼

MP3, WMA and WAV files

- MP3 is short for MPEG Audio Layer 3 and refers to an audio compression technology standard.
- WMA is short for Windows Media™ Audio and refers to an audio compression technology that is developed by Microsoft Corporation. WMA data can be encoded by using Windows Media Player version 7 or later.

- WAV is short for waveform. It is a standard audio file format for Windows®.
- With some applications used to encode WMA files, this unit may not operate correctly.
- Depending on the version of Windows Media Player used to encode WMA files, album names and other text information may not be correctly displayed.
- There may be a slight delay when starting playback of WMA files encoded with image data.
- This unit allows playback of MP3/WMA/WAV files on CD-ROM, CD-R and CD-RW discs. Disc recordings compatible with level 1 and level 2 of ISO9660 and with the Romeo and Joliet file system can be played back.
- It is possible to play back multi-session compatible recorded discs.
- MP3/WMA/WAV files are not compatible with packet write data transfer.
- The maximum number of characters which can be displayed for a file name, including the extension (.mp3, .wma or .wav), is 64, from the first character.
- The maximum number of characters which can be displayed for a folder name is 64.
- In case of files recorded according to the Romeo file system, only the first 64 characters can be displayed.
- When playing discs with MP3/WMA/WAV files and audio data (CD-DA) such as CD-EXTRA and MIXED-MODE CDs, both types can be played only by switching mode between MP3/WMA/WAV and CD-DA.
- The folder selection sequence for playback and other operations becomes the writing sequence used by the writing software. For this reason, the expected sequence at the time of playback may not coincide with the actual playback sequence. However, there also is some writing software which permits setting of the playback order.

Additional Information

- Some audio CDs contain tracks that merge into one another without a pause. When these discs are converted to MP3/WMA/WAV files and burned to a CD-R/CD-RW/CD-ROM, the files will be played back on this player with a short pause between each one, regardless of the length of the pause between tracks on the original audio CD.

🐾 Important

- When naming an MP3/WMA/WAV file, add the corresponding filename extension (.mp3, .wma or .wav).
- This unit plays back files with the filename extension (.mp3, .wma or .wav) as an MP3/WMA/WAV file. To prevent noise and malfunctions, do not use these extensions for files other than MP3/WMA/WAV files.

MP3 additional information

- Files are compatible with the ID3 Tag Ver. 1.0, 1.1, 2.2, 2.3 and 2.4 formats for display of album (disc title), track (track title), artist (track artist) and comments. Ver. 2.x of ID3 Tag is given priority when both Ver. 1.x and Ver. 2.x exist.
- The emphasis function is valid only when MP3 files of 32, 44.1 and 48 kHz frequencies are played back. (16, 22.05, 24, 32, 44.1, 48 kHz sampling frequencies can be played back.)
- There is no m3u playlist compatibility.
- There is no compatibility with the MP3i (MP3 interactive) or mp3 PRO formats.
- The sound quality of MP3 files generally becomes better with an increased bit rate. This unit can play recordings with bit rates from 8 kbps to 320 kbps, but in order to be able to enjoy sound of a certain quality, we recommend using only discs recorded with a bit rate of at least 128 kbps.

WMA additional information

- This unit plays back WMA files encoded by Windows Media Player version 7, 7.1, 8 and 9.
- You can only play back WMA files in the frequencies 32, 44.1 and 48 kHz.
- The sound quality of WMA files generally becomes better with an increased bit rate. This unit can play recordings with bit rates from 48 kbps to 320 kbps (CBR) or from 48 kbps to 384 kbps (VBR), but in order to be able to enjoy sound of a certain quality, we recommend using discs recorded with a higher bit rate.
- This unit doesn't support the following formats.
  — Windows Media Audio 9 Professional (5.1ch)
  — Windows Media Audio 9 Lossless
  — Windows Media Audio 9 Voice

WAV additional information

- This unit plays back WAV files encoded in Linear PCM (LPCM) format or MS ADPCM format.
- You can only play back WAV files in the frequencies 16, 22.05, 24, 32, 44.1 and 48 kHz (LPCM), or 22.05 and 44.1 kHz (MS ADPCM). The sampling frequency shown in the display may be rounded.
- The sound quality of WAV files generally becomes better with a larger number of quantization bits. This unit can play recordings with 8 and 16 (LPCM) or 4 (MS ADPCM) quantization bits, but in order to be able to enjoy sound of a certain quality, we recommend using discs recorded with the larger number of quantization bits. ■

Additional Information

About folders and MP3/WMA/WAV files

- An outline of a CD-ROM with MP3/WMA/WAV files on it is shown below. Subfolders are shown as folders in the folder currently selected.

① **First level**

② **Second level**

③ **Third level**

📝 Notes
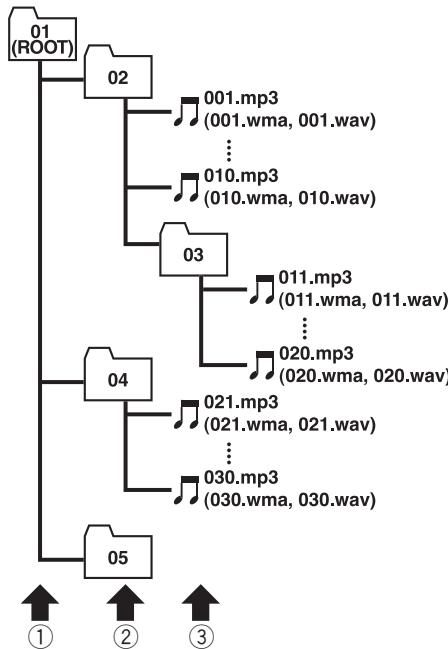
- This unit assigns folder numbers. The user can not assign folder numbers.
- It is not possible to check folders that do not include MP3/WMA/WAV files. (These folders will be skipped without displaying the folder number.)
- MP3/WMA/WAV files in up to 8 tiers of folders can be played back. However, there is a delay in the start of playback on discs with numerous tiers. For this reason we recommend creating discs with no more than 2 tiers.
- It is possible to play back up to 99 folders on one disc. ◼

Additional Information

Terms

Bit rate

This expresses data volume per second, or bps units (bits per second). The higher the rate, the more information is available to reproduce the sound. Using the same encoding method (such as MP3), the higher the rate, the better the sound.

ID3 tag

This is a method of embedding track-related information in an MP3 file. This embedded information can include the track title, the artist's name, the album title, the music genre, the year of production, comments and other data. The contents can be freely edited using software with ID3 Tag editing functions. Although the tags are restricted as to the number of characters, the information can be viewed when the track is played back.

ISO9660 format

This is the international standard for the format logic of CD-ROM folders and files. For the ISO9660 format, there are regulations for the following two levels.

Level 1:
The file name is in 8.3 format (the name consists of up to 8 characters, half-byte English capital letters and half-byte numerals and the "_" sign, with a file-extension of three characters).

Level 2:
The file name can have up to 31 characters (including the separation mark "." and a file extension). Each folder contains less than 8 hierarchies.

Extended formats
Joliet:
File names can have up to 64 characters.
Romeo:
File names can have up to 128 characters.

Linear PCM (LPCM)/Pulse code modulation

This stands for linear pulse code modulation, which is the signal recording system used for music CDs and DVDs.

m3u

Playlists created using the "WINAMP" software have a playlist file extension (.m3u).

MP3

MP3 is short for MPEG Audio Layer 3. It is an audio compression standard set by a working group (MPEG) of the ISO (International Standards Organization). MP3 is able to compress audio data to about 1/10th the level of a conventional disc.

MS ADPCM

This stands for Microsoft adaptive differential pulse code modulation, which is the signal recording system used for the multimedia software of Microsoft Corporation.

Multi-session

Multi-session is a recording method that allows additional data to be recorded later. When recording data on a CD-ROM, CD-R or CD-RW, etc., all data from beginning to end is treated as a single unit or session. Multi-session is a method of recording more than 2 sessions on one disc.

Number of quantization bits

The number of quantization bits is one factor in the overall sound quality; the higher the "bit-depth", the better the sound quality. However, increasing the bit-depth also increases the amount of data and therefore storage space required.

Additional Information

Packet write
This is a general term for a method of writing
on CD-R, etc., at the time required for a file,
just as is done with files on floppy or hard
discs.

VBR
VBR is short for variable bit rate. Generally
speaking CBR (constant bit rate) is more
widely used. But by flexibly adjusting the bit
rate according to the needs of audio compres-
sion, it is possible to achieve compression-
priority sound quality.

WAV
WAV is short for waveform. It is a standard
audio file format for Windows®.

WMA
WMA is short for Windows Media™ Audio
and refers to an audio compression technol-
ogy that is developed by Microsoft Corpora-
tion. WMA data can be encoded by using
Windows Media Player version 7 or later.
Microsoft, Windows Media, and the Windows
logo are trademarks, or registered trademarks
of Microsoft Corporation in the United States
and/or other countries. ◼

Additional Information

Specifications

General

Power source .... 14.4 V DC (10.8 – 15.1 V allowable)
Grounding system .... Negative type
Max. current consumption
.... 10.0 A
Dimensions (W × H × D):
   DIN
      Chassis .... 178 × 50 × 157 mm
        (7 × 2 × 6-1/4 in.)
      Nose .... 188 × 58 × 19 mm
        (7-3/8 × 2-1/4 × 3/4 in.)
   D
      Chassis .... 178 × 50 × 162 mm
        (7 × 2 × 6-1/2 in.)
      Nose .... 170 × 46 × 14 mm
        (6-3/4 × 1-3/4 × 1/2 in.)
Weight .... 1.4 kg (3.5 lbs)

Audio

Continuous power output is 22 W per channel minimum into 4 ohms, both channels driven 50 to 15,000 Hz with no more than 5% THD.
Maximum power output .... 50 W × 4
      50 W × 2/4 Ω + 70 W × 1/2 Ω (for subwoofer)
Load impedance .... 4 Ω (4 – 8 Ω [2 Ω for 1 ch] allowable)
Preout max output level/output impedance
.... 2.2 V/1 kΩ
Equalizer (3-Band Parametric Equalizer):
   Low
      Frequency .... 40/80/100/160 Hz
      Q Factor .... 0.35/0.59/0.95/1.15 (+6 dB when boosted)
      Gain .... ±12dB
   Mid
      Frequency .... 200/500/1k/2k Hz
      Q Factor .... 0.35/0.59/0.95/1.15 (+6 dB when boosted)
      Gain .... ±12dB
   High
      Frequency .... 3.15k/8k/10k/12.5k Hz
      Q Factor .... 0.35/0.59/0.95/1.15 (+6 dB when boosted)
      Gain .... ±12dB
Loudness contour:
   Low .... +3.5 dB (100 Hz), +3 dB (10 kHz)
   Mid .... +10 dB (100 Hz), +6.5 dB (10 kHz)
   High .... +11 dB (100 Hz), +11 dB (10 kHz)
      (volume: –30 dB)
Tone controls:
   Bass
      Frequency .... 40/63/100/160 Hz
      Gain .... ±12dB
   Treble
      Frequency .... 2.5k/4k/6.3k/10k Hz
      Gain .... ±12dB
HPF:
   Frequency .... 50/80/125 Hz
   Slope .... –12 dB/oct
Subwoofer:
   Frequency .... 50/80/125 Hz
   Slope .... –18 dB/oct
   Gain .... ±12dB
   Phase .... Normal/Reverse

CD player

System .... Compact disc audio system
Usable discs .... Compact disc
Signal format:
   Sampling frequency ..... 44.1 kHz
   Number of quantization bits
      .... 16; linear
Frequency characteristics ... 5 – 20,000 Hz (±1 dB)
Signal-to-noise ratio .... 94 dB (1 kHz) (IHF-A network)
Dynamic range .... 92 dB (1 kHz)
Number of channels .... 2 (stereo)
MP3 decoding format .... MPEG-1 & 2 Audio Layer 3
WMA decoding format .... Ver. 7, 7.1, 8, 9
WAV signal format .... Linear PCM & MS ADPCM

FM tuner

Frequency range .... 87.9 – 107.9 MHz
Usable sensitivity .... 8 dBf (0.7 μV/75 Ω, mono, S/N: 30 dB)
50 dB quieting sensitivity ..... 10 dBf (0.9 μV/75 Ω, mono)
Signal-to-noise ratio .... 75 dB (IHF-A network)
Distortion .... 0.3 % (at 65 dBf, 1 kHz, stereo)
      0.1 % (at 65 dBf, 1 kHz, mono)
Frequency response .... 30 – 15,000 Hz (±3 dB)
Stereo separation .... 45 dB (at 65 dBf, 1 kHz)
Selectivity .... 80 dB (±200 kHz)

Additional Information

Three-signal intermodulation (desired signal level)
.... 30 dBf (two undesired sig-
nal level: 100 dBf)

AM tuner
Frequency range .... 530 – 1,710 kHz (10 kHz)
Usable sensitivity .... 18 μV (S/N: 20 dB)
Signal-to-noise ratio .... 65 dB (IHF-A network)

📝 Note

Specifications and the design are subject to pos-
sible modifications without notice due to im-
provements. ▣

Register your product at
Enregistrez votre produit au

http://www.pioneerelectronics.com

See "Product registration" page
Voir la page "Enregistrement du produit"

<KSNZX> <04I00000>

<XRD7065-A/N> UC

Pioneer sound.vision.soul

DEH-P6700MP

This product conforms to CEMA cord colors.
Le code de couleur des câbles utilisé pour ce produit est conforme à CEMA.

Printed in Thailand
Imprimé en Thaïlande
<XRD7066-A/N> UC   <KSNZX> <04I00000>

Connecting the Units

Note:
- This unit is for vehicles with a 12-volt battery and negative grounding. Before installing it in a recreational vehicle, truck, or bus, check the battery voltage.
- To avoid shorts in the electrical system, be sure to disconnect the ⊖ battery cable before beginning installation.
- Refer to the owner's manual for details on connecting the power amp and other units, then make connections correctly.
- Secure the wiring with cable clamps or adhesive tape. To protect the wiring, wrap adhesive tape around them where they lie against metal parts.
- Route and secure all wiring so it cannot touch any moving parts, such as the gear shift, handbrake and seat rails. Do not route wiring in places that get hot, such as near the heater outlet. If the insulation of the wiring melts or gets torn, there is a danger of the wiring short-circuiting to the vehicle body.
- Don't pass the yellow lead through a hole into the engine compartment to connect to the battery. This will damage the lead insulation and cause a very dangerous short.
- Do not shorten any leads. If you do, the protection circuit may fail to work when it should.
- Never feed power to other equipment by cutting the insulation of the power supply lead of the unit and tapping into the lead. The current capacity of the lead will be exceeded, causing overheating.
- When replacing the fuse, be sure to only use a fuse of the rating prescribed on this unit.
- Since a unique BPTL circuit is employed, never wire so the speaker leads are directly grounded or the left and right ⊖ speaker leads are common.
- Speakers connected to this unit must be high-power with minimum rating of 50 W and impedance of 4 to 8 ohms. Connecting speakers with output and/or impedance values other than those noted here may result in the speakers catching fire, emitting smoke or becoming damaged.
- When this product's source is switched ON, a control signal is output through the blue/white lead. Connect to an external power amp's system remote control or the car's Auto-antenna relay control terminal (max. 300 mA 12 V DC). If the car features a glass antenna, connect to the antenna booster power supply terminal.

- When an external power amp is being used with this system, be sure not to connect the blue/white lead to the amp's power terminal. Likewise, do not connect the blue/white lead to the power terminal of the auto-antenna. Such connection could cause excessive current drain and malfunction.
- To avoid a short-circuit, cover the disconnected lead with insulating tape. Insulate the unused speaker leads without fail. There is a possibility of a short-circuit if the leads are not insulated.
- To prevent incorrect connection, the input side of the IP-BUS connector is blue, and the output side is black. Connect the connectors of the same colors correctly.
- If this unit is installed in a vehicle that does not have an ACC (accessory) position on the ignition switch, the red lead of the unit should be connected to a terminal coupled with ignition switch ON/OFF operations. If this is not done, the vehicle battery may be drained when you are away from the vehicle for several hours. (Fig.1)
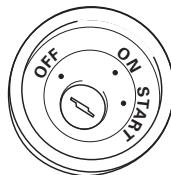
ACC position   No ACC position

Fig. 1

- The black lead is ground. Please ground this lead separately from the ground of high-current products such as power amps.
If you ground the products together and the ground becomes detached, there is a risk of damage to the products or fire.

- Cords for this product and those for other products may be different colors even if they have the same function. When connecting this product to another product, refer to the supplied manuals of both products and connect cords that have the same function.

■ **When not connecting a rear speaker lead to a Subwoofer**

Power amp
(sold separately)

Connecting cords with RCA pin
plugs (sold separately)

IP-BUS input (Blue)

This product

Front output

Power amp
(sold separately)

Subwoofer output or
non fading output

Antenna jack

Fuse

Jack for the Wired Remote Control
Please see the Instruction Manual for the
Wired Remote Control (sold separately).

Multi-CD player
(sold separately)

IP-BUS cable

Blue/white
To system control terminal of the power amp or
Auto-antenna relay control terminal (max. 300
mA 12 V DC).

System remote control

Yellow/black
If you use a cellular telephone, connect it via the
Audio Mute lead on the cellular telephone. If not,
keep the Audio Mute lead free of any connections.

Front speaker

Front speaker

Yellow
To terminal always supplied with power regardless of
ignition switch position.

Red
To electric terminal controlled by ignition switch (12
V DC) ON/OFF.

Front speaker

White

Gray

Front speaker

Left

White/black

Gray/black

Right

Orange/white
To lighting switch terminal.

Rear speaker

Green

Violet

Rear speaker

Black (ground)
To vehicle (metal) body.

Green/black

Violet/black

With a 2 speaker system, do not connect
anything to the speaker leads that are not
connected to speakers.

Subwoofer

Subwoofer

Perform these connections when using the
optional amplifier.

Fig. 2

■ **When using a Subwoofer without using the optional amplifier**

IP-BUS input
(Blue)

This product   Front output

Subwoofer output

Jack for the Wired Remote Control
Please see the Instruction Manual for the
Wired Remote Control (sold separately).

Antenna jack   Fuse

Multi-CD player
(sold separately)

IP-BUS cable

Blue/white
To system control terminal of the power amp or
Auto-antenna relay control terminal (max. 300
mA 12 V DC).

Yellow/black
If you use a cellular telephone, connect it via the
Audio Mute lead on the cellular telephone. If not,
keep the Audio Mute lead free of any connections.

Yellow
To terminal always supplied with power regardless of
ignition switch position.

Red
To electric terminal controlled by ignition switch (12
V DC) ON/OFF.

Orange/white
To lighting switch terminal.

Black (ground)
To vehicle (metal) body.

Front speaker

White

Gray

Front speaker

White/black

Gray/black

Left

Right

Subwoofer

Green

Violet

Subwoofer

Green/black

Violet/black

Note:
Change the initial setting of this unit (refer to the Operation
Manual). The subwoofer output of this unit is monaural.

Fig. 3

Note:
- Before making a final installation of the unit, temporarily connect the wiring to confirm that the connections are correct and the system works properly.
- Use only the parts included with the unit to ensure proper installation. The use of unauthorized parts can cause malfunctions.
- Consult with your nearest dealer if installation requires the drilling of holes or other modifications of the vehicle.
- Install the unit where it does not get in the driver's way and cannot injure the passenger if there is a sudden stop, like an emergency stop.
- The semiconductor laser will be damaged if it overheats, so don't install the unit anywhere hot — for instance, near a heater outlet.

- If installation angle exceeds 60° from horizontal, the unit might not give its optimum performance. (Fig. 4)

60°
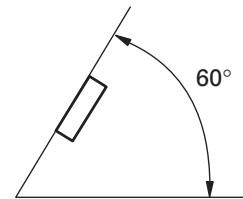
Fig. 4

DIN Front/Rear-mount

This unit can be properly installed either from "Front" (conventional DIN Front-mount) or "Rear" (DIN Rear-mount installation, utilizing threaded screw holes at the sides of unit chassis). For details, refer to the following illustrated installation methods.

DIN Front-mount

Installation with the rubber bush (Fig. 5)
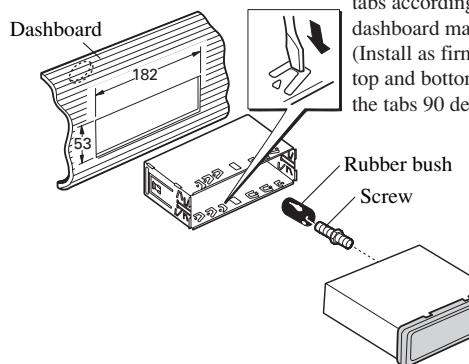
Dashboard
182
53

Holder
After inserting the holder into the dashboard, then select the appropriate tabs according to the thickness of the dashboard material and bend them. (Install as firmly as possible using the top and bottom tabs. To secure, bend the tabs 90 degrees.)

Rubber bush
Screw

Fig. 5

## Removing the unit (Fig. 6) (Fig. 7)
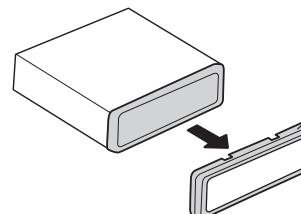
Frame

To remove the frame, extend top and bottom of the frame outwards in order to unlock it. (When reattaching the frame, point the side with a groove downwards and attach it.)
- It becomes easy to remove the frame if the front panel is released.

Fig. 6
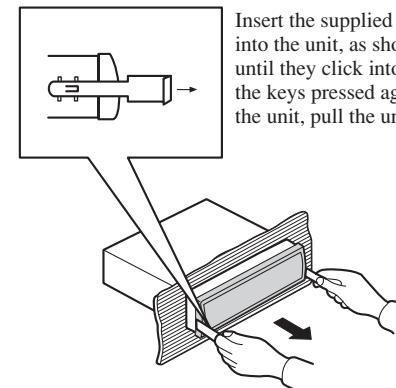
Insert the supplied extraction keys into the unit, as shown in the figure, until they click into place. Keeping the keys pressed against the sides of the unit, pull the unit out.

Fig. 7

DIN Rear-mount

Installation using the screw holes on the side of the unit

1. Remove the frame. (Fig. 8)

Frame

To remove the frame, extend top and
bottom of the frame outwards in
order to unlock it. (When reattaching
the frame, point the side with a
groove downwards and attach it.)
• It becomes easy to remove the
  frame if the front panel is released.
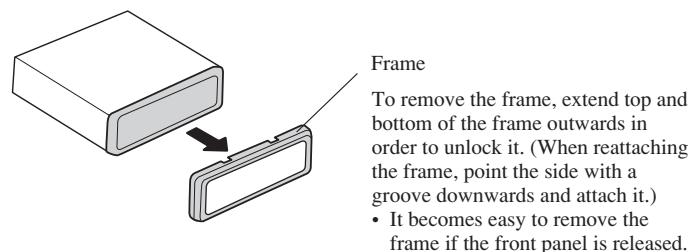
Fig. 8

**2. Fastening the unit to the factory radio mounting bracket.
   (Fig. 9) (Fig. 10)**

Select a position where the screw holes of the bracket and
the screw holes of the head unit become aligned (are fitted),
and tighten the screws at 2 places on each side. Use either
truss screws (5 × 8 mm) or flush surface screws
(5 × 9 mm), depending on the shape of the screw holes in
the bracket.

Fig. 9

Screw

Dashboard or Console

Factory radio mounting bracket
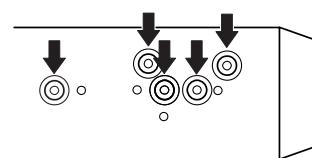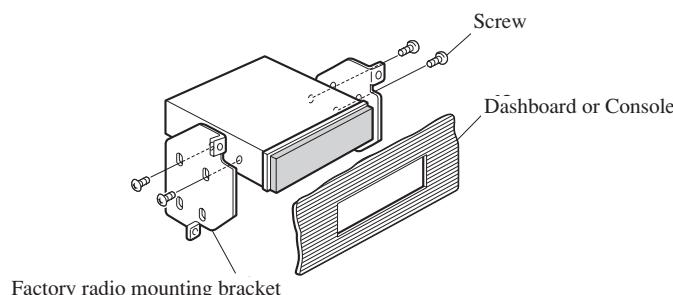
Fig. 10

Fixing the front panel

If you do not operate the removing and attaching the front panel function, use the supplied
fixing screws and holders to fix the front panel to this unit.

1. Attach the holders to both sides of the front panel. (Fig. 11)
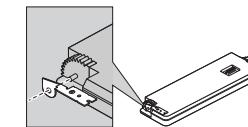
Fig. 11

2. Replace the front panel to the unit. (Fig. 12)
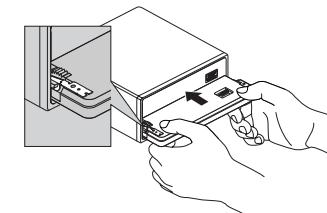
Fig. 12

3. Flip the holders into upright positions. (Fig. 13)
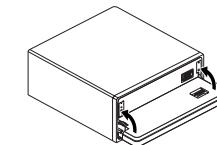
Fig. 13

4. Fix the front panel to the unit using fixing screws. (Fig. 14)

Fixing screw
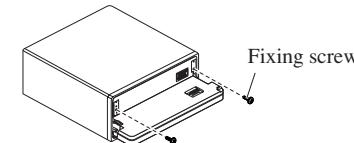
Fig. 14

Note:

Before installing this unit in your vehicle, refer to the illustration below and remove the tag.
Do not use the parts you have removed (screws etc.) when installing the unit in your vehicle.


Remarque:

Avant d'installer cet appareil dans votre voiture, reportez-vous à l'illustration ci-dessous et retirez cette cosse.
N'utilisez pas les pièces que vous avez retirées (vis, etc.) lors de l'installation de l'appareil dans votre voiture.

Nota:

Antes de instalar esta unidad en su vehículo, refiérase a la ilustración abajo y quite la pieza.
No utilice las partes retiradas (tornillos, etc.) al instalar la unidad en su vehículo.
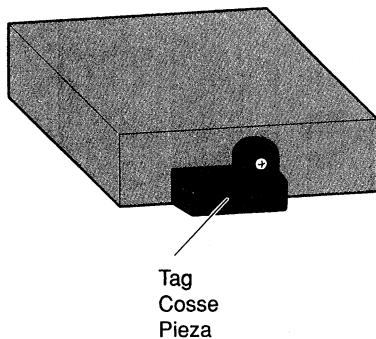
Tag
Cosse
Pieza

About the Demo Mode

This product features two demonstration modes. One is the Reverse Demo mode, the other is the Feature Demo mode.

Reverse Demo

If you do not perform an operation within about 30 seconds, screen indications start to reverse, and then continue reversing every 10 seconds. Pressing button 5 when power to this product is switched OFF while the ignition switch is set to ACC or ON cancels the Reverse Demo mode. Pressing button 5 again to start the Reverse Mode.

Feature Demo

The Feature Demo automatically starts when power to this product is switched OFF while the ignition switch is set to ACC or ON. Pressing button 6 during Feature Demo operation cancels the Feature Demo mode. Pressing button 6 again to start the Feature Mode. Remember that if the Feature Demo continues operating when the car engine is switched OFF, it may drain battery power.

Note:
- You cannot cancel a Demo mode when the front panel is open.
- The red lead (ACC) of this product should be connected to a terminal coupled with ignition switch ON/OFF operations. If this is not done, the vehicle battery may be drained.

Über die Demo-Betriebsart

Dieses Gerät besitzt zwei Demonstrations-Betriebsarten, die Reverse-Demo-Betriebsart und die Funktions-Demo-Betriebsart.

Reverse-Demo-Betriebsart

Wenn nicht innerhalb von etwa 30 Sekunden ein Bedienungsschritt vorgenommen wird, laufen die Schirmanzeigen in einem Intervall von 10 Sekunden zurück. Wenn dieses Gerätet ausgeschaltet (OFF) und die Zündung auf ACC oder ON gestellt ist, wird die Reverse-Demo-Betriebsart durch Drücken der Taste 5 aufgehoben. Die Taste 5 erneut drücken, um die Reverse-Demo-Betriebsart zu starten.

Funktions-Demo-Betriebsart

Die Funktions-Demo-Betriebsart beginnt automatisch, wenn dieses Gerät bei auf ACC oder ON gestellter Zündung ausgeschaltet (OFF) wird.
Durch Drücken der Taste 6 während Funktions-Demo-Betriebs wird diese Betriebsart aufgehoben. Die Taste 6 erneut drücken, um die Funktions-Demo-Betriebsart zu starten.
Bitte bedenken, daß die Batterie leer werden kann, wenn der Funktions-Demo-Betrieb nach Abstellen des Motors des Fahrzeugs fortgesetzt wird.

Hinweis:
- Wenn die Frontplatte geöffnet ist, kann eine Demo-Betriebsart nicht aufgehoben werden.
- Das rote kabel (ACC) dieses Produkts sollte an eine klemme angeschlossen werden, die mit dem Ein-/Ausschaltbetrieb des zündschalters gekoppelt ist, da anderenfalls die Batterie des Fahrzeugs leer werden kann.

Acerca del modo de demostración

Este producto presenta dos modos de demostraciones. Uno es el modo de demostración de retroceso, el otro es el modo de demostración de característica.

Demostración de retroceso

Si no realiza ninguna operación dentro de 30 segundos, las indicaciones de la pantalla comienzan a retroceder, y luego continúan retrocediendo cada 10 segundos. Al presionar el botón 5 cuando se desactiva este producto, mientras el interruptor de encendido se ajusta a ACC y ON cancela el modo de demostración de retroceso. Presione el botón 5 nuevamente para iniciar la demostración de retroceso.

Demostración de característica

La demostración de característica se inicia cuando la alimentación de este producto se desactiva mientras el interruptor de encendido se ajusta a ACC u ON.
La presión del botón 6 durante la operación de demostración de característica cancela el modo de demostración de característica. Presione el botón 6 nuevamente para iniciar la demostración de característica. Tenga en cuenta que si la demostración de característica continúa funcionando cuando se apaga el motor del coche, la batería puede agotarse.

Nota:
- No se puede cancelar el modo de demostración, cuando el panel delantero está abierto.
- El cable rojo (ACC) de este producto se debe conectar al terminal acoplado con las operaciones de activación/desactivación del encendido. Caso contrario, la batería del vehículo puede drenarse.

Quelques mots sur la démonstration

Cet appareil possède deux modes de démonstration: démonstration inverse et démonstration des possibilités.

Démonstration inverse

Si vous n'effectuez aucune opération pendant environ 30 secondes, les indications s'affichent sur l'écran dans l'ordre inverse et cela à intervalle de 10 secondes. Vous pouvez annuler le mode de démonstration inverse en appuyant sur la touche 5 alors que l'appareil n'est pas sous tension et que le contacteur d'allumage est sur la position ACC, ou ON. Appuyez de nouveau sur la touche 5 pour commencer la démonstration inverse.

Démonstration des possibilités

La démonstration des possibilités commence aussitôt que l'appareil est mis hors tension alors que le contacteur d'allumage est sur la position ACC, ou ON.
Vous pouvez annuler le mode de démonstration des possibilités en appuyant sur la touche 6 tandis que cette démonstration est en cours. Appuyez de nouveau sur la touche 6 pour commencer la démonstration des possibilités.
Sachez que si la démonstration des possibilités se poursuit alors que le moteur du véhicule est arrêté, la batterie peut être complètement déchargée.

Remarque:
- Vous ne pouvez pas annuler un mode de démonstration quand le panneau avant est ouvert.
- Le fil rouge (ACC) de cet appareil doit être relié à une borne couplée avec le fonctionnement de l'interrupteur d'allumage. Sinon, la batterie risque de se décharger.
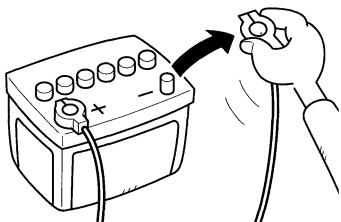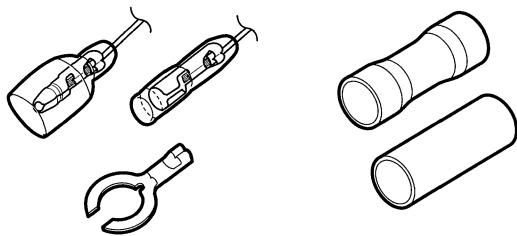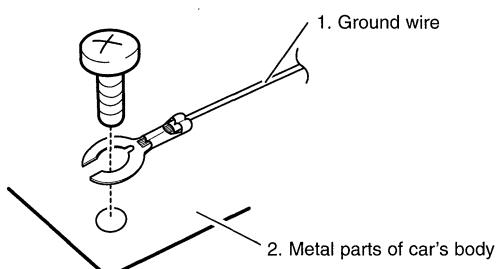
Fig.1

Fig.2

1. Ground wire

2. Metal parts of car's body

Fig.3

3. Other devices
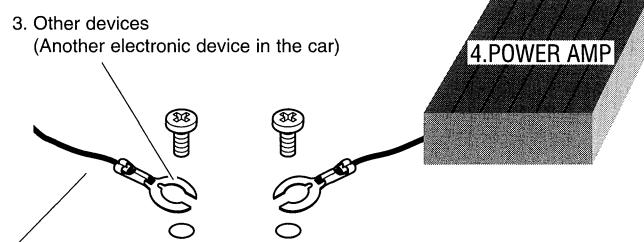(Another electronic device in the car)

4.POWER AMP

Fig.4

WARNING

Always follow the instructions below when connecting or installing parts. Not following the instructions below may result in the malfunction of this unit. Additionally, if the parts to this unit malfunction the unit may emit smoke or catch fire.

- Always remove a connecter from the $\ominus$ battery terminal before beginning any connection or installing work. (Fig.1)
- Ensure that the power cord, the ground wire and the speaker are all properly connected. We recommend that you use a plug and a receptacle, solderless contact and a Y connector. (Fig.2)
- When installing this unit, always connect the ground wire first. Ensure that the ground wire is properly connected to metal parts of the car's body. (Fig.3)
  1. Ground wire
  2. Metal parts of car's body
- Connect to this unit only high-powered speakers of over 50W and with impedance between 4 and 8 ohms. Though there are speaker systems with low impedance between 1 and 3 ohms, you must not connect these to this unit.
- When connecting the power amp (sold separately) to this unit ensure that the ground wire for the power amp is properly connected to metal parts of the car's body. Connect the ground wire of the power amp with a different screw from the one you used to connect the ground wire for this unit or any other device. Should the screw for the power amp's ground wire loosen or fall out, it may result in this unit emitting smoke or malfunctioning. (Fig.4)
  3. Other devices (Another electronic device in the car)
  4. POWER AMP
- Cover any terminals not connected with insulation tape so they do not make contact with metal.
- Do not change the speaker connections while this unit is in operation.

If you have any questions regarding the connection or installation or parts, consult your local dealer.

ADVERTENCIA

Siga siempre estas instrucciones antes de conectar o instalar piezas. De lo contrario, puede que esta unidad no funcione correctamente. Además, si las piezas de esta unidad no funcionan correctamente, la unidad puede expulsar humo o fuego.

- Extraiga siempre un conector del terminal de batería $\ominus$ antes de realizar cualquier conexión o instalación. (Fig.1)
- Asegúrese de que el cable de corriente, el cable de conexión a tierra y el altavoz están correctamente conectados. Le recomendamos que utilice un enchufe y un receptáculo, un contacto sin soldadura y un conector en Y. (Fig.2)
- Cuando instale esta unidad, conecte siempre el cable de conexión a tierra en primer lugar. Asegúrese de que el cable de conexión a tierra está correctamente conectado a las partes metálicas de la carrocería del automóvil. (Fig.3)
  1. Cable de conexión a tierra
  2. Partes metálicas de la carrocería del automóvil
- Conecte a esta unidad únicamente altavoces de alta potencia, de más de 50 W y con una impedancia de entre 4 y 8 ohmios. Aunque existen sistemas de altavoces con baja impedancia entre 1 y 3 ohmios, no debe conectarlos a esta unidad.
- Cuando conecte el amplificador de potencia (vendido por separado) a esta unidad, asegúrese de que el cable de conexión a tierra del amplificador de potencia está conectado correctamente a las partes metálicas de la carrocería del automóvil. Conecte el cable de conexión a tierra del amplificador de potencia con un tornillo distinto del utilizado para conectar el cable de conexión a tierra de esta unidad o cualquier otro dispositivo. En caso de que el tornillo del cable de conexión a tierra del amplificador de potencia se afloje o se suelte, la unidad puede expulsar humo o dejar de funcionar correctamente. (Fig.4)
  3. Otros dispositivos (otro dispositivo electrónico del automóvil)
  4. AMPLIFICADOR DE POTENCIA
- Cubra cualquier terminal no conectado con cinta aislante para que no haga contacto con el metal.
- No cambie las conexiones del altavoz mientras esta unidad esté en funcionamiento.

Si tiene alguna pregunta en relación con la conexión o la instalación de piezas, consulte a su distribuidor local.

AVERTISSEMENT

Veuillez toujours suivre les instructions indiquées ci-dessous lors du branchement ou de l'installation des pièces. Ne pas suivre les instructions indiquées ci-dessous peut entraîner un mauvais fonctionnement de l'unité. En outre, si les pièces de cette unité fonctionnent mal, de la fumée pourra sortir de l'unité ou cette dernière pourra prendre feu.

- Assurez-vous de toujours enlever un connecteur de la prise $\ominus$ de la batterie avant de d'effectuer un branchement ou un travail d'installation. (Fig.1)
- Assurez-vous que le cordon d'alimentation, le fil de terre et l'enceinte sont branchés correctement. Nous vous recommandons d'utiliser une fiche et une prise de courant (femelle), un contact sans soudure et un raccord en Y. (Fig.2)
- Quand vous installez l'unité, veuillez toujours brancher le fil de terre en premier. Assurez-vous que le fil de terre est branché correctement aux pièces métalliques de la carrosserie de la voiture. (Fig.3)
  1. Fil de terre
  2. Pièces métalliques de la carrosserie de la voiture
- Assurez-vous de ne brancher à cette unité que des enceintes à haute puissance de plus de 50 W et d'une impédance entre 4 et 8 ohms. Même s'il existe des systèmes d'enceintes avec une impédance basse entre 1 et 3 ohms, vous ne devez pas brancher ce type d'enceintes à l'unité.
- Quand vous branchez l'amplificateur de puissance (vendu séparément) à cette unité, assurez-vous que le fil de terre de l'amplificateur de puissance est branché correctement aux pièces métalliques de la carrosserie de la voiture. Branchez le fil de terre de l'amplificateur de puissance avec un tournevis différent de celui que vous avez utilisé pour brancher le fil de terre à l'unité ou un autre dispositif. Si la vis du fil de terre de l'amplificateur de puissance se desserre ou tombe, de la fumée pourra sortir de l'unité ou elle fonctionnera mal. (Fig.4)
  3. Autres dispositifs (Un autre dispositif électronique dans la voiture)
  4. AMPLIFICATEUR DE PUISSSANCE
- Couvrez toutes les prises qui ne sont pas branchées avec du ruban isolant pour qu'elles ne soient pas en contact avec du métal.
- Ne changez pas les branchements de l'enceinte quand l'unité est en marche.

Si vous avez des questions sur le branchement ou l'installation des pièces, veuillez consulter votre revendeur local.

ADVERTÊNCIA

Siga sempre as seguintes instruções quando realizar a ligação ou instalação de peças. O não cumprimento das seguintes instruções pode resultar no funcionamento incorrecto desta unidade. Para além disso, se as peças desta unidade não funcionarem correctamente, a unidade pode produzir fumo e incendiar.

- Retire sempre um ligador do terminal da bateria $\ominus$ antes de realizar qualquer trabalho de ligação ou instalação. (Fig.1)
- Certifique-se de que o cabo de alimentação, o fio terra e a coluna estão devidamente ligados. Recomendamos a utilização de uma ficha e de uma tomada, de um contacto sem solda e de um conector em Y. (Fig.2)
- Quando instalar esta unidade, ligue sempre em primeiro lugar o fio terra. Certifique-se de que o fio terra está devidamente ligado a partes metálicas da carroçaria do automóvel. (Fig.3)
  1. Fio terra
  2. Peças metálicas da carroçaria do automóvel
- Ligue a esta unidade apenas a colunas de elevado desempenho com potência superior a 50W e com impedância entre 4 e 8 ohms. Embora existam colunas com baixa impedância, entre 1 e 3 ohms, não deve ligá-las a esta unidade.
- Quando ligar o amplificador (vendido em separado) a esta unidade, certifique-se de que o fio terra para o amplificador está devidamente ligado a peças metálicas da carroçaria do automóvel. Ligue o fio terra do amplificador com um parafuso diferente do utilizado para ligar o fio terra a esta unidade ou a qualquer outro dispositivo. Se o parafuso do amplificador se soltar ou cair, poderá fazer com que a unidade comece a deitar fumo ou a funcionar mal. (Fig.4)
  3. Outros dispositivos (Outra unidade electrónica no automóvel)
  4. AMPLIFICADOR
- Tape todos os terminais não ligados com fita isoladora de forma a que não fiquem em contacto com o metal.
- Não mude as ligações das colunas enquanto a unidade estiver a funcionar.

Em caso de dúvidas relacionadas com a ligação ou instalação de peças, consulte o seu distribuidor local.

<KMMNF> <CRP1310-A/N>

Pioneer

PIONEER ELECTRONICS (USA) INC.   **PIONEER ELECTRONICS OF CANADA, INC.**

LIMITED WARRANTY
WARRANTY VALID ONLY IN COUNTRY OF PRODUCT PURCHASE

WARRANTY

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PRODUCT WARRANTY PERIOD

	Parts	Labor
Car Stereo Products	1 Year	1 Year

The warranty period for retail customers who rent the product commences upon the date product is first put into use (a) during the rental period or (b) retail sale, whichever occurs first.

WHAT IS NOT COVERED

IF THIS PRODUCT WAS PURCHASED FROM AN UNAUTHORIZED DISTRIBUTOR, THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE AND THIS PRODUCT IS SOLD STRICTLY "AS IS" AND "WITH ALL FAULTS".

PIONEER SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL AND/OR INCIDENTAL DAMAGES.

PIONEER DOES NOT WARRANT ANY PRODUCT LISTED ABOVE WHEN IT IS USED IN A TRADE OR BUSINESS OR IN ANY INDUSTRIAL OR COMMERCIAL APPLICATION.

THIS WARRANTY DOES NOT APPLY IF THE PRODUCT HAS BEEN SUBJECTED TO POWER IN EXCESS OF ITS PUBLISHED POWER RATING.

THIS WARRANTY DOES NOT COVER DISPLAY SCREENS DAMAGED BY STATIC, NON-MOVING, IMAGES APPLIED FOR LENGTHY PERIODS (BURN-IN).

THIS WARRANTY DOES NOT COVER THE CABINET OR ANY APPEARANCE ITEM, USER ATTACHED ANTENNA, ANY DAMAGE TO RECORDS OR RECORDING TAPES OR DISCS, ANY DAMAGE TO THE PRODUCT RESULTING FROM ALTERATIONS, MODIFICATIONS NOT AUTHORIZED IN WRITING BY PIONEER, ACCIDENT, MISUSE OR ABUSE, DAMAGE DUE TO LIGHTNING OR TO POWER SURGES, SUBSEQUENT DAMAGE FROM LEAKING, DAMAGE FROM INOPERATIVE BATTERIES, OR THE USE OF BATTERIES NOT CONFORMING TO THOSE SPECIFIED IN THE OWNER'S MANUAL.

THIS WARRANTY DOES NOT COVER THE COST OF PARTS OR LABOR WHICH WOULD BE OTHERWISE PROVIDED WITHOUT CHARGE UNDER THIS WARRANTY OBTAINED FROM ANY SOURCE OTHER THAN A PIONEER AUTHORIZED SERVICE COMPANY OR OTHER DESIGNATED LOCATION. THIS WARRANTY DOES NOT COVER DEFECTS OR DAMAGE CAUSED BY THE USE OF UNAUTHORIZED PARTS OR LABOR OR FROM IMPROPER MAINTENANCE.

ALTERED, DEFACED, OR REMOVED SERIAL NUMBERS VOID THIS ENTIRE WARRANTY

NO OTHER WARRANTIES

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IN CANADA - EXCEPT AS EXPRESSLY PROVIDED HEREIN, THERE ARE NO REPRESENTATIONS, WARRANTIES, OBLIGATIONS OR CONDITIONS, IMPLIED, STATUTORY OR OTHERWISE, APPLICABLE TO THIS PRODUCT.

TO OBTAIN SERVICE (<u>EXCEPT</u> CAR SPEAKERS SOLD IN THE U.S.A. <u>ONLY</u>)

PUSA and POC have appointed a number of Authorized Service Companies throughout the U.S.A. and Canada should your product require service. To receive warranty service you need to present your sales receipt or, if rented, your rental contract showing place and date of original owner's transaction. If shipping the unit you will need to package it carefully and send it, transportation prepaid by a traceable, insured method, to an Authorized Service Company. Package the product using adequate padding material to prevent damage in transit. The original container is ideal for this purpose. Include your name, address and telephone number where you can be reached during business hours.

TO OBTAIN SERVICE ON CAR SPEAKERS SOLD IN THE U.S.A.

Should your car speaker require service please return it to your retail dealer for exchange. To receive warranty service you will need to present your sales receipt showing place and date of original owner's retail purchase. If, for any reason, you can not exchange speakers at the selling dealer call Customer Support at the number below.

On all complaints and concerns in the U.S.A. call Customer Support at 1-800-421-1404, or, in Canada, call Customer Satisfaction at (905) 479-4411.

<div style="display:flex; justify-content:space-between;">

IN THE U.S.A.
For hook-up and operation of your unit or to locate an
Authorized Service Company, please call or write:
CUSTOMER SUPPORT DIVISION
PIONEER ELECTRONICS (USA) INC.
P.O. BOX 1760
LONG BEACH, CALIFORNIA 90801
1-800-421-1404
http://www.pioneerelectronics.com

IN CANADA
For additional information on this warranty,
please call or write:
CUSTOMER SATISFACTION GROUP
PIONEER ELECTRONICS OF CANADA, INC.
300 ALLSTATE PARKWAY
MARKHAM, ON L3R 0P2
(905) 479-4411
1-877-283-5901
http://www.pioneerelectronics.com

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DISPUTE RESOLUTION

IN THE U.S.A. - Following our response to any initial request to Customer Support, should a dispute arise between you and Pioneer, Pioneer makes available its Complaint Resolution Program to resolve the dispute. The Complaint Resolution Program is available to you without charge. You are required to use the Complaint Resolution Program before you exercise any rights under, or seek any remedies, created by Title I of the Magnuson-Moss Warranty-Federal Trade Commission Improvement Act, 15 U.S.C. 2301 *et seq.*

To use the Complaint Resolution Program call 1-800-421-1404 and explain to the customer service representative the problem you are experiencing, steps you have taken to have the product repaired during the warranty period and the name of the authorized Distributor/Dealer from whom the Pioneer product was purchased. After the complaint has been explained to the representative, a resolution number will be issued. Within 40 days of receiving your complaint, Pioneer will investigate the dispute and will either: (1) respond to your complaint in writing informing you what action Pioneer will take, and in what time period, to resolve the dispute; or (2) respond to your complaint in writing informing you why it will not take any action.

IN CANADA - Call the Customer Satisfaction Manager at (905) 946-7446 to discuss your complaint and to obtain a prompt resolution.

RECORD THE PLACE AND DATE OF PURCHASE FOR FUTURE REFERENCE

Model No. _____ Serial No. _____ Purchase Date _____

Purchased From _____

KEEP THIS INFORMATION AND YOUR SALES RECEIPT IN A SAFE PLACE   < ARY1048-E/N >